

### UHIVERS! / CF JORDAN FINANCIALTIMES

CONTINENTAL SELLING PRICES: AUSTRIA CON 1S; BELGIUM Fr 25; DENMARK Kr 4.25; FRANCE Fr 4; GERMANY DM 2.0; ITALY L 700; METHERLANDS FI 2.0; NORWAY Kr 4.25; PORTUGAL 55c 35; SPAIR PM 70; SWEDEN Kr 3.75; SWITZERLAND Fr 2.0; EIRE 20p; MALTA 20

PUBLISHED IN LONDON AND FRANKFURT

Tuesday January 8 1980

VAUGHAN ASSOCIATES LIMITED

For Your More Important Machine Tools

VALUEHAM ASSOCIATES LTD. MACHINE TOOL SPECIALISTS Vanghan Rescu, 4 Ocean St., Carzen Ct., Lendon, W. L. Tell: 01-499 8362

GENERAL

### Gandhi rivals concede defeat

Former Prime Minister Indira Gandhi made a spectacular political comeback when the party that ousted her from

of the 544 Lok Sabha (Lower House) seats held. The ruling Lok Dal Party trailed hebind

Mrs. Gandhi predicted that she would win more than 350 scats, which would give her a parliamentary majority of about two-thirds. Back and Page 3. Editorial comment, Page 18

#### Adamson killing: three questioned

Naturalist and author Joy-Adamson was murdered and three of her former employees tioned, Kenyan police sald.

Mrs. Adamson was reported to have been killed by a lion hut a post mortem examination found that the wounds on her body were not caused by claws.

#### Hostages move

UN Secretary General Kurt Waldbeim sald Iranian Foreign Minister Sadeq Qotbzadeh had assured him that the Tehran hostages would be freed after above its worst leve an international inquiry into fell to 84.0 (84.0). posed Shah's regime. They 6 GOLD rose 3 40 sn owner to would not be released before or 5630 in active trading to equal during such an inquity. Iran its ill-time closing high eronomy, Page 3. the allaged excesses of the de-

### Stormont row

The Ulster constitutional conference at Stormont began with a clash between Social Democratic and Labour Party leader John Hume and Democratic Unionist leader lan ...... The apparently centred on M. Paisley's attempt to have dis-cussions of Irish unity delayed or abandoned. Page 6

### Belgian crisis

Belgium is on the brink of a political crisis that could topple the coalition government and bring fresh elections 13 months after the last polls. Two political parties are considering leaving the coalition in a row over regionalisation plans. Page

### Kagan charges

Court committal proceedings involving tax fraud charges hegan in Leeds against Lady Kagan, wifa of lifa peer Lord Kagan, and four others. Two companies are also charged.

### Benn attack

The Covernment "Think Tank" the Central Policy Review che Central Foncy Review of the Staff—has been engaged in organised subversion against Ministers who streed up to the Civil Service, said leading Labour Left-winger Anthony Wadgwood Benn. Page 6: Lombard, Page 16

### £201,117 ransom

Left-wing guerrillas in Colombia have demanded a \$450,000 (£201,117) ransom for the return of a British woman and her son kidnapped from their Columbia's Defence Ministry staid.

### Briefly ...

Shopkeepers protesting against price controls caused an explosion which hadly damaged the state Price Commission office in Paris and hurt five

Dutch police said a 57-year-old cabinet-maker admitted throwing a cigarette end into a Rotterdam house, starting a blaze which killed 11.

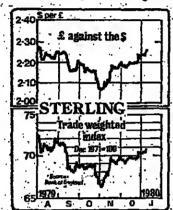
### BUSINESS

### **Equities** firm; £ gains **2.45** cents

 EQUITIES rose reflecting hopes for an end to the ateel strike, which more than out-weighed the Middle East tension. The FT 30-share index gained 6.0 at 419.9.

• GILTS shrugged off the pros-The Janata Party conceded lesses, although Exchequer 15 with just over a quarter of the per cent 1985 shed 7. The Fresults in and with only nine Government Securities

 STERLING rose 2.45 cents \$2.2620 (\$2.2375) against the dollar and its trade-weighted



index rose to 70.8 (70.3). The pound rose too against all other major currencies.

• DOLLAR fell to DM 1.7080 (DM 1.7110) and SwFr 1.5695 (SwFr. 1.5775) but finished above its worst levels. Its index

at 835.15 shortly before the

industrial raw material costs are rising faster than wholesale output prices at a time when labour and interest charges are also increasing, so an intensification of the squeeze on profit margins is indicated. Back Page

• BUILDING SOCIETIES do not expect an early fall in the 15 per cent mortgage rate, and think that when it does come it may not fully reflect the decline in interest rates. Page 6

 ENERGY DEPARTMENT is expected to back the Coal Board's plan to sink three mines in the Vale of Belfour when the public inquiry on the scheme resumes today. Page 7

• NEW TECHNOLOGY most be introduced faster if Britain is to survive as a trading nation. according to a report by the Government Advisory Council for Applied Research and Development Back and Page

· VENEZUELA is cutting its oil supplies to the major inter-national companies in 1980 nnder sales agreements to be formalised soon. Page 4 .

### COMPANIES

BROWN AND TAWSE, steel and tube stockholders made taxable profits in the half year to last Saptember 30 of £2.07m (£2.03m) on sales of £28.51m (£24.59m). In the full year, pre-tax profits rose 15 per cent to £3.81m. Page 20

. A. G. BARR & COMPANY reports pre-tax profits for the year ended last October 27 rose to £2,53m (£2.01m) oo a 15.9 per cent increase in turnover.

. I BIBBY & SONS will acquire for about £4.4m the outstanding 60 per cent of shares in an asociate company, Sterilin. Page 20

 INTERNATIONAL Harvester Australia staged a recovery in the year to October 31, 1979. with a profit of A\$6.44m (£3.24m) after a previous loss of A\$3.5m (£1.76m). Page 24

### CHIEF PRICE CHANGES YESTERDAY

(Prices in pence unless otherwise indicated)

RISES	Vickers1111 + 5
Assed Newspapers 260 + 9	Aran Energy 260 + 32
Blua Circle 252 + 12	Williamson Tea 190 + 8
Booker McConnell . 265 + 10	Anglo-Amer. Coal£111 + 1 Anglo-Amer. Crpn. 665 + 25
Rowring (C. T.) 142 + 19	Cons. Gold Fields 425 + 11
Coral Leisure 56 + 3	December $494 \pm 54$
Cennner (T) 107 + 7	Impala:
Decca A	
Finlay (James) 74 + 4	Libanon
	Loraine 200 + 20 Pacific Copper 134 + 13
Hanson Trust 130 + 8	Poseidon 126 + 8
Hay's Wharf 127 + 8	Silvermines 100 + 10
Home Charm 193 T 2	Sparges Exploration 39 + 4
ICI	Venterspost 488 + 43
KwikSave 108 + 6	FALLS
	Appleyard 58 - 4
Metal Box	Reardon Smith 93 - 5
Racal Elec 198 + 8 Samuel (H.) 135 + 10 Sanger (J. E.) 18 + 3	Cilbalana 132 > 16
Sanger (J. E.) 18 + 3	OHAUGHE

### Early end to steel strike seems remote as picketing widens

BY ALAN PIKE AND NICK GARNETT

deals.

Chances of an early end to the national steel strike appeared increasingly remote last night while picketing was strengthened and widened.

the strike on the basis of BSC's offer of 8 per cent at national

level plus local productivity

Mr. Sirs said: "We had a very

and, as I feared, attitudes have

progress ha was boping for and

the corporation continued to make an offer with all sorts of

strings attached. He had origin-

The meeting with BSC, said

hardened considerably."

The day began with a meeting not involved in the dispute, around the country and told Mr. between union representatives should be allowed to work Sirs strikers were not in a mood led by Mr. Len Murray, TUC normally. general secretary, and the full BSC Board. Mr. Murray reconvene today to hear a final protect them against inflation. mained at BSC's London head-report on the talks. But at There is a danger that unless quarters while Mr. Bill Sirs, yesterday's executive meeting the present peace iotitative sucquarters. Trades Confederamembers made it clear they ceeds against expectations it Iron and Steel Trades Confedera- members made it clear they tion general secretary, and Mr. would not consider calling off Hector Smith, National Union Blastfurnacemen general secretary, reported to a joint meeting of their executives.

Mr. Sirs and Mr. Smith then returned to BSC to hear the full discussion in the executive Corporation's reply to proposals ont by the unions earlier in the day. As he entered the meeting Mr. Sirs said: "I do not think Mr. Sirs, had not produced the will make the progress necessary to resume negotia-

Strike committees in most regiona decided yesterday that ally hoped the strike would be pickets should try and halt a short, sharp encounter hit it movement of all steel to and now appeared liftom stockholders whether or drag on a little. not it was manufactured by the corporation or private steel strong support for the action makers.

Some steel consumers, particularly engineering companies, were also bicketed in Yorkshire and Wales and some private steel makers appear to be increasingly affected. Police intervened during clashes between piskets and employees still working at the corporation's Port Talbot plant in South Yesterday's union executive

meeting reaffirmed that private steel manufacturers, which are

now appeared likely it would Executive members reported

The shipbuilding unions have tabled a pay claim which

they estimate to be worth

about 30 per cent. The union

SHIPBUILDING PAY TALKS British Shiphnilders -ls to negotiators expect to he start its pay talks with the offered a very low initial pay shiphuilding unions tomorrow faced with the same kind of proposal although they have warned that their 80,000 mempay problems as the British bers will not accept less than

through

British Shipbullders bas been told by the Government it cannot loose more than about 20 per cent hut which British Shipbuilders says is £90m in the next financial

Picketing widens Pasie 7

will leave the two sides further

local

Page 7

### Cabinet to review cost of public sector pensions

Steel Corporation.

BY RICHARD EVANS, LOBBY EDITOR

THE CABINET is considering departments are developing a of the armed forces, nationalised ways in which civil servants strategy under which public industry employees and civil can be required to contribute more to the cost of their penin its wide-ranging attempt to cnt public expenditure in the next financial year by a further £2bn.

Ministers are determined to find a way of modifying the present system because of the increasing drain on the public parse at times of high inflation and the imbalance that has developed between privileged public employees and the private sector. The Treasury and other ment officers, teachers, members ment due April 1.

employees would be required to servants. pay more for the benefits they

It is considered impossible to end inflation-proofing in the public service altogether, because of opposition from the considerable numbers of people involved and the Government's obligations

About 1.3m people henefit

Public service pensions are technically non-contributory but in practice civil servants forgo an average of 7 per cent of their salaries following regular comparability studies of outside schemes. Some Ministers are keen to

increase this amount. The Civil Service Pay Research Unit is 12 months 4.35.4.15 dis 4.65.4.45 dis gathering evidence on comparafrom inflation-proofed pensions, gathering evidence on compara-including police, local govern- hility for the next pay settle-

### Bid values Bowring at £245m

BY JOHN MOORE

MARSH AND MCLENNAN of value of £245m on the whole is to he arranged as a mixture the U.S., the world's larguet insurance broker, is prepared to mount a £245m hid for C. T. Bowring, the British insurance hroker with banking, credit finance and large Lloyd's of London interests.

But if this hld is to go ahead Marsh has asked for Bowring's agreement that it will not seek to frustrate the offer. Bowring said last night that it is considering the offer "and a further announcement will be made in dne course.'

tha London Stock Exchange Bowring's ahares rose 19p to 142p valuing the groop's ordinary ahare capital at £155m. Allowing for the conversion of Bowring's loan stock capital, the group's market value rises to nearly £206m.

Marsh's bid places a value of about 169p per share on each share of Bowring, which, again allowing for tha conversion of the loan stock capital, places a

Bowring group.

Marsh and McLennan's hid comes just three weeks after hidding for Bowring following the acrimonious breakdown in pegotiations between the two groups over a plan to coin a pooling arrangement.

Since then Bowring has sought to stave off advances from Marsh through legal action in the U.S. courts. The legal moves were designed to stop Marsh from using confidential information supplied during talks about a pooling arrangement in furtherance of a hid.

But this initial attempt suffered a setback last Friday when the judge refused to grant Bowring a temporary restrain-Marsh's proposed offer, which

of Marsh's shares as well as cash, comes after an angry letter from Bowring's chairman, Mr. its earlier announcement. This Peter Bowring In his letter to said that it was considering Mr. John Regan, the U.S. group's chairman, Mr. Bowring had said that any offer made to the shareholders of C. T. Bowring "by whatever means ordinate and combina all their and on whatever terms" would respective insurance interests he considered "an unfriendly

He said: "Wa are unanimous in our determination to resist any such offer by every means available to us and this cannot exclude ohtaining support in the City of London and elae-where from whatevar institutional bodies are sympathetic to our very strongly held

One way in which the Marsh bid might be blocked is through the application of the contro-Continued Back Page Lex Back Page

The Afghan Invasion: (1) East-West relation in Europe 18 (2) Russia's threat to the Islamic

world 4 Technology in Britain: the need for West Germany: looks to wind-powered 

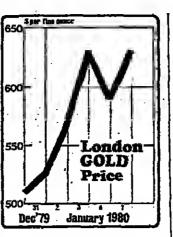
and fears of Gandhi's big stick .....

Management: Gulf Oil learns to cope with crises ...... 15 Film and Video: impact of television's high technology ...... 16 Lombard: the Think Tank has a role by David Fishlock ...... 16 Editorial Comment: India politics; the U.S. economy ...... 18

Survey: Compressed air industry 9-14

Unit Trusts ........ Stock Markets: ANNUAL STATEMENTS

For latest Share Index phone 01-246 8026



### Gold up again to \$630

By Peter Riddell,

apart than ever.
The unions have demanded THE PRICE of gold jumped \$40 that BSC put another 5 per cent to \$630 an ounce in active on the table as proof that money will be available two-way trading in London yesterday. This exactly offset the decline on Friday and left productivity deals. But the corporation the price equal to its record helieves any meney paid in this closing high. way would fail to achieve the

Earlier in Hong Kong, the price touched \$680 before required productivity improvements and would he regarded simply as part of an overall national settlement. quickly falling to \$645 at the European opening. Union leaders remain opposed

The latest surge in the gold to the condition on joh flexiprice started at the weekend hility, manning and negotiating practices which BSC is demandwhen the Hong Kong price was \$630. It was triggered hy President Carter's announceing in return for an 8 per cent ment of a reduction in grain sales to the Soviet Union.

There were the familiar sideeffects in the silver markets and the spot price in London was fixed \$6.25 up at \$39.

### Strong

The dollar slipped to DM 1.7050 from DM 1.7110 on Friday. Its trade-weighted index. as calculated by the Bank of England, fell 0.4 points to 84.0.

Sterling and the yen were very strong. The pound rose 2.45 cents against the dollar to \$2,2620, its highest level for five months. It also rose against the main Continental currencies. Its trade-weighted index rose 0.5 points to 70.8.

The yen was boosted by the settlement of new oil coolracts

at the Bank for International concerted gold sales efforts by industrialises countries trying to hreak the rapid rise of the bulloin price.

Money Markets Page 25

£ In New	York	
_	Jan. 4	Previous
1 month	\$2,2390-2410 0,33-0,28 dis 1,20-1,15 dis	0.51-0.4e dia

### U.S. to buy in embargoed Soviet grain

VICE-PRESIDENT Walter Mon- discretionary anthority over to buy some 14m tonnes of grain previously contracted for sale

to the Soviet Union.
The move followed President Carter's decision on Friday to suspend all grain shipments to the Soviet Union in the current year in excess of the 8m tonne annual level set in the five-year U.S. Soviet grain agreement that

runs out next year.

Mr. Bob Bergland, the Agriculture Secretary, said the Government would, for the time being, hold the 14m tonnes of wheat, maize and soyaheans in storage and release it on to the market in an orderly manner at some later date.

Earlier, graio dealers had expected a slump in prices and heavy losses for some participants in the grain trade including farmers and exporters.
The President's move—and

his deciaion to order that major U.S. grain futures markets close for two days-had come under heavy attack. Doubts expressed about the ability of the Government to mitigate some of the losses.

John Wyles writes from

Brussels: The EEC is expected to give firm assurances to President Carter that it will not help to plug the gap in Russian grain supplies caused by partial U.S.

embargo. But whether words will he immediately hacked by concrete actions may depend on whether the European Commission is prepared to use its substantial

dale yesterday announced that agricultural exports without a the U.S. Government would offer precise mandate from member governments. Both the UK and West

Germany seemed ready yesterday to support measures to back the U.S. retaliation for Russia's invasion of Afghanistan but France's position appeared far more equivocal.

The 13-man commission will try to determine its policy at its weekly meeting in Brussels tomorrow. Its thinking will then he taken to the meeting Presi-dent Carter has called in Washington on Saturday by M. Claude Villain, the Director General in charge of agriculture.

Robert Maothuer in Paris, writes: The French Government has made it clear that, though it condemned the Soviet military intervention in Afghanistan. it would not join the U.S. in taking any economic or other reprisals against Moscow.

M. Jean Francois-Poncet, the French Foreign Minister said the Soviet action had seriously undermined the prospects for East-West detente. But it was in nobody's interest to provoke a further deterioration in the situation hy resuming the cold Asked whether France would

step up its grain exports to the Soviet Union to make up for the loss of U.S. supplies, he said no cereals were available for such a purpose. The invasion of Afghanistan

Pages 4 and 18 Farming and raw materials Page 29

### Troops in Afghanistan 'may be permanent force'

BY DAVID BUCHAN IN WASHINGTON

with Iran. As a result the dollar slipped Y3 to Y231.5.

David Marsh writes from Basle: Central hankers meeting et the Bask for International state and already. Mr. Houding is "probably the core of a Carter said. They would increase larger permanent force to be the Russlan force to the country deployed there," the U.S. Govby 20,000-25,000 to possibly state and already. Mr. Houding is "probably the core of a Carter said. They would increase larger permanent force to be the Russlan force to the country state and already. Mr. Houding is "probably the core of a Carter said. They would increase larger permanent force to be the Russlan force to the country state and already. Mr. Houding is "probably the core of a Carter said. They would increase larger permanent force to be the Russlan force to the country state and already. Mr. Houding is "probably the core of a Carter said. They would increase larger permanent force to be the Russlan force to be supported by 20,000-25,000 to possibly state." Moscow's continued build-up

l in Afghanistan at the weekend amounted to "a contemptuous rejection both by word deed" of protest by the U.S. and many other countries, Mr. Hodding Carter, the State Denartment spokesman, said. Since last Friday, when President Carter announced a han on further sales of U.S. grain and high technology to Soviet Union and harred Soviet Fishermen from American waters, the Soviet Union bad

momhilised one and maybe two

motorised divisions more. These

THE SOVIET force of 50,000 might have crossed into Afghani-60,000 already in Afghanistan stan already. Mr. Hodding

Suggesting the Soviet presence in Afghanistan now amounted to a full scale army of occupation, he said there was "nothing expeditionary" about the numbers of men the Soviet Union was fielding to Afghanistan and the types of military equioment, including MiG 17 and 23 aircraft, there.

Russian troops were replacing units of the Afghan army which had deserted to aid anti-Marxist insurgent tribesmen. Our foreign staff adds: Heavy

Continued on Back Page

## When it comes to your real estate abroad KF&R Group know how to get the most out of it We will make that property really work for you We counsel governments, international agencies

and corporations on every aspect We advise on sales, purchases, investments and developments of shops, offices, factories, warehouses and hotels We prepare valuations and advise on rating We manage commercial, industrial and agricultural holdings

Knight Frank & Rutley

Probably the most diversified property service in the world Consultants in over 60 different countries on every continent, except Antarctics

10 C C C

"Si buy

### East Europe feels the lack of Iranian oil

nostalgically to the days under the Shah when they could obtain prices now heing quoted for Iranian oll in exchange for East European products.

European countries say they are Comecon countries as Moscow no longer able to get Iranian oil had told them they can expect deals for oil.

Poland imported 800,000

New threat

Government

By Giles Merritt in Brusseis

BELGIUM WAS last night on

the verge of a political crisis

that could topple the coalition

Government led by M. Wilfried Martens and precipitate a fresb General Election only 13

months after the country last

Following indications that the Front Democratique des

Francophones (FDF) - the

small but militant party repre-

senting Brussels' predominantly French-speaking population—is to pull out of the coalition, the

Parti Socialiste was last night considering its own member-

ship of the Government. Although M. Martens could survive the departure of the Front,

a Socialist walk-out would

mean the collapse of the nine

months old 'last chaoce" Gov-

ernment he formed last spring

of regionalisation proposals under which not only Dutch-speaking Flanders and Fraco-

phone Wallonia would receive

self-government powers, but also

Brussels itself. The exact status

of the Belgian capital, which is largely French-speaking but

occupies ao enclave of Flanders.

is a problem which has brought down successive governments.

Front from the coalition's rank

results from a compromise plan

hammered out during week-end

talks hetween Government Ministers and political advisers

that would, in effect, shelve the granting of self-government to Brussels while pressing ahead

with devolving power to Flanders and Wallonia.

The likely defection of the

The issue is once again that

after protracted negotiations.

went to the polls.

to Belgian

EAST EUROPEAN countries year in exchange for 1,000 railare complaining hitterly about a
wirtual cut-off in oil supplies
cancelled by the new Iranian
expected to rise to 24m tonnes with Soviet oil, compared with
The high price of petrol in from Iran and are looking back leadership and none of the East

The shortfall could not have

next five years. East Germany, which last year obtained 18.5m East Germany was to have its oil imports from the Soviet ducts, will force the Poles to huy to the West are a leading source. West Germans, by content of the started receiving shipments last. Union, will receive only 19m more oil from OPEC countries. of hard currency, hringing in spend only 5 per cent. tonnes of Iranian oll in 1978 and tonnes, or about 90 per cent, of

hy that time. The East Europeans can huy more than this filed amount of Soviet oil hut only by paying the same price in hard currency Officials from several East come at a worse time for the which Moscow charges its customers in the West.

Poland has been told it will because the Tehran govern- only small incresses of relatively be allotted 13.1m tonnes of ment is not interested in harter low-priced Soviet oil over the Soviet crude this year compared with 12.7m tonnes in 1979. The small increase, in addition to Soviet petrol and other oil pro-

Britain supplied 1.3m tonnes of crude to Poland in 1978 and tonnes of oil from Iraq and

Eastern Europe already means that Hungarians, Czechoslovaks, Traq another 1.1m tonnes. East Poles and Romanians have to Germany imported just over 1m pay a third of their average tonnes of oil from Iraq and weekly income in order to buy 350,000 tonnes from Syria in 100 litres of super petrol exchange for East German pro- Bulgarians, if they bought this nucts. much, would use up two thirds. The main reason for the Soviet of their income. East Germans Union's reluctance to raise oil pay 17 per cent of their income exports to other Comecon coon- for the same amount of petrol tries is that Soviet oil shipments and Soviet citizens 13 per cent. to the West are a leading source West Germans, by contrast,

### Strike threatens Irish alumina project

BY STEWART DALBY IN DUBLIN

Alumina plant in Co. Limerick because of protracted industrial

Construction work on the plant, which is the largest foreign investment in Ireland in tarms of cash, if not in numforeign investment in Ireland in tarms of cash, if not in numbers employed, has ground to a halt because of nnofficial stoppage last Friday by 20 welders Ferenka.

and 26 riggers.
A further 1,000 workers bave refused to cross picket lines, meaning that all work had

While attempts were being made yesterday through the agency of an official of the Irish Congress of Trade Unions to

Two years ago. Ferenka, which was an offshoot of the Dutch company Akzo, closed its factory in the same area because

area at the time.

If completed, the Aughinish the U.S.
plant could employ more than So far, 1250m has been spent

The nomination of M. Jean improved by the show of in- He will be responsible for

man in charge of worker par-

THE IRISH Government is The stoppage is the sixteenth of union disputes. This caused panies financing the building of becoming concerned about the in 18 months. At least 2,000 a loss of 1,200 jobs—a large the plant are Alcan Treland, future of the £300m Aughinish men are normally working on number by Irish standards. It which is a subsidiary of Alcan number by Irish standards. represented 8 per cent of the Aluminum of Canada, which has industrial work force of the 40 per cent, a subsidiary of area at the time.

Billiton BV of the Netherlands. Ireland depends heavily on together with Royal Dutch Shell foreign investment for its in- and a sphsidiary of the Ana-dustrialisation programme. coods Aluminum Company of

> 700 people, add £30m to Irish on the project. Ireland's exports, and, with a prospective Industrial Development ontout of \$00,000 tonnes, give Authority (IDA) has committed a great boost to the Sbannon £16.5m to the scheme, one of estuary's plans to become a the agency's largest grant/loan packages, although so far only the three participating comfiguration fithis has been spent.

### Gaullists make another bid for party unity

BY DAVID WHITE IN PARIS

AS THE FRENCH government prepared to bulldoze a delayed Charbonnel, who is leader of the 1980 budget through Parlia- Federation of Progressive Rement, its recalcitrant Gaullist publicans, the principal group reinforce their own political fully timed just hefore the start industrial and scientific develop. Chirac's movement because of camp. M. Jacques Chirac of a special parliamentary ment under President the latter's involvement in the leader of the Gaullist R/PR assiston on the budget yesterday Pompidou, hecomes the RPR's majority supporting President

appointment of a former minisappointment of a former minister to woo Gaullist splinter the climate for a reconciliation heart of General de Gaulle and groups which have stayed clear hetween his own mainstream an article of faith for his Leftof the governing coalition.

Gaullists and the rest will he wing supporters.

BY ROBERT GRAHAM IN MADRID SPAIN'S SECOND largest trade unioo, the Socialist General Workers Union (UGT), has signed a wide ranging two-year wage and work conditions the pact which was signed over agreement with the National the weekend. Its leaders said Employers Federation (CEOE). their objection was to the con-The pact endorses a wage tent of the agreement. But increase of between 13 and 16 there was a strong element of FINANCIAL TIMES, published daily per cent for 1980 hut t ciple of lower rises is subscription rates \$365.00 per annum. Second class postage paid at New York, N.Y., and al additional mailing per cent for 1980 hut the prin-

The higgest trades union the

Spanish union pact may set wage norm

Communist - controlled

of left-wing Gaullists, was care-

federation of Workers Commis-sions (CCOO) after a lengthy internal dehate refused to join the weekend. Its leaders said

If you want to broaden your horizons, start by

Wrexham Maelor Borough Council

casting your eyes over our colour brochure.

To the Chief Executive Officer, The Guildhall, Wrexham LL11 1AY, Clwyd, North Wales, U.K. nr

Please send me details of industrial incentives at Wrexham.

telephone R. J. Dutton or D. W. Jones or H. Przihram at Wrexham (0978) 4611

Send for your copy now!

Company Address

Tel. No

employers in the pact.

The Confederation controls approximately 45 per cent of total union membership and the General Workers' Union around 30 per cent. In spite of this tent of the agreement. But imbalance employers will now there was a strong element of begin negotiating individual politics in their action. The con- wage agreements using the pact ciple of lower rises is accepted federation has taken the as a guideline. In practical first that the Constitutional for those employed in companies calculated risk of hoping to gain terms the Communist Party is Connecl over-ruled the initial in financial difficulties.

The higgest trades union, the openly "collaborating" with the alter this very much.

dependence on the part of tha making contacts with Gaullist RPR in its prolonged budget splinter groups other than his wrangle with the Government. own, which have so far refused M. Charbounel, a minister of to bave any truck with M. · Giscard d'Estaing.

The RPR earlier made clear it 1980 finance bill, which returned to Parliament after the Con-stitutional Council decided on Christmas Eve that it was null

The PPR's continued camadministration's running costs was expected to lead the Government to engage its responsibility." on the hill once again to push it through with-

It may have to do this three separate times, on the revenue side of the hill, on the expenses chapter, and on the legislation as a whole. It was because the revenue side was not passed

### Marchais draws closer to Moscow

By Robert Mantimer in Paris

THE FRENCH Communist leader, M. Georges Marchais, left for a one-week visit to Moscow, the first he has paid to the Soviet Union since 1974, amid growing signs that his party is progressively abandoning its recent inde-pendent "Eurocommunst"

The visit was prepared more than two months ago and, therefore, is not directly linked to the latest events in Afghanistan. But it is clear that the Soviet military interrention in that country has given an added dimension to the talks which M. Marchais will have with Mr. Leonid Brezhnev, the Soviet leader.

The fact that M. Marchais did not cancel his visit, coupled with a statement last weekend by the political burean of the French Communist Party, giving qualified support in the Soviet action in Afghanistan, is un-doubtedly significant, Once

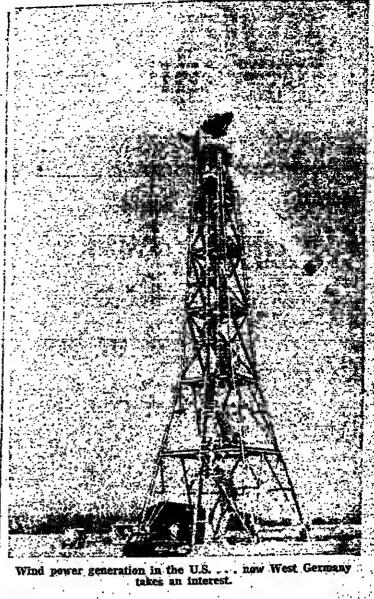
again, France's Communist Party is lagging behind its sister parties in Italy and Spain in condemning the Soviet Union for violating principles which the French Communists loudly pro-claimed at their last two party.

The policy disagreements between the French and Italian parties were underlined last Saturday by the absence of any mention of Afghanistan in the joint communique issued in Rome after M. Mare and talks with his Italian opposite number, Sig. Enrico Berlinguer.

While the Italian Communist parly has stated that nothing could justify the intervention by a country in the internal affairs of another state and that the Soviet action in Afghanistan threatened world peace, the French party has gone nut of its way to justify Moscow's policy.

Though it reaffirmed its adherence to the principle of national sovereignty and the right of all people to decide on their own destiny without outside interference the French Communists stressed that every country also had the right to ask its allies for

The party had "taken into account" the explanation by the Soviet Government that it had answered an appeal for aid from Kabni against a "foreign supported" rehel-lion, the political hureau's communique said.



### Bonn revising views on using wind power

BY KEVIN DONE IN FRANKFURT

could eventually provide as much as 8 per cent of Germany's electricity equivalent to the contribution now made by hydro-electricity. Bonn has come in for critic-

ism that it has not paid enough attention to wind power, hut rising energy costs have persuaded the Federal Ministry for Research and Technology that wind power could well compete commercially with other power sources in the late 1980s and the 1990s.

Construction begins this month on the first full-scale wind-power plant in Germany, at Brunshuttel, on the North Sea coast near Hamhurg.

.The costs of the 3 MW windmill are largely heing home hy the Federal Government, but three electricity utilities in northern Germany are also taking part. The plant, called Growian 1," is expected to cost about DM 43m (£11.2m), hullt to a capacity of about Of this, the Research and Took

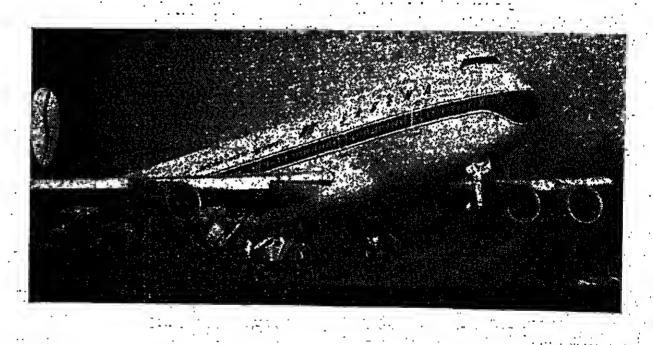
THE West German Govern- nology Ministry will prohably. ment is revising its attitude provide about 95 per cent, with towards wind power, and is the remaining 5 per cent hopeful that this energy source coming from the utility companies in Hamhurg, Schleswig-Holstein and Nurth-Rhineland Westphalia.

The plant will take about three years to hulld; and the Ministry is then planning a three-year test programme.

In all, more than 40 windpower projects are being pursued in West Germany, entailing a total Herr Volker Hauff, the Federal Rasearch Minister, said the Ministry's new-found optimism for wind power was hased on the latest research into the system's technical and commer-cial yiahility.

He indicated that wind power could eventually provide up to 8 per cent of West Germany's electricity. Such a target would call for as many as 2,000 3-MW wind power plants. Conventional power stations are normally





### Sabena's proposal

An unhurried airport at the centre of a busy international network

A privileged location

Surawling, overcrowded airports are all too common in Europe. Brussels Airport is a welcome exception. Although centre of a vast international network, it maintains a human dimension by grouping all services within a single terminal, thereby eliminating bus transfers and long walks through endiess corridors.

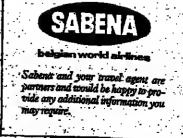
As the hub of Western Europe, Brussels Airport is geared to the needs of ... transit passengers, so crowds are Sabena offers you 99 passenger and 17

smaller, queues are shorter and bag-gage handling quick, reliable and effi-

Founded in 1923, Sabena the Belgian airline was already operating regular flights to Central Africa as early as 1925. Today, Sabena carries over 2 million passengers annually to some 75 destinations in more than 50 countries around the globe. From the UK,

cargo flights per week from Londonand Manchester to Brussels, Antwerp, Liège, Charleroi and Ostend. Brussels is also directly accessible from Bir-mingham and Edinburgh without having to pass through London.

This year we are proud to celebrate the 30th anniversary of our first scheduled flight to Manchester. On June 15, 1949 a DC3 "00-AUV" touched down at precisely 12.54 p.m. bringing the first 13 businessmen by air from Brussels. Today, Manchester is linked daily with Sabena's worldwide network.



### Hopes and fears of Gandhi's big stick

STUMPING THE length and ing law and order, which, she the lady is there will be discipagalar. Mrs. Gandhi's instincts public sector outlays and breadth of India for the past says, is her priority. Ine in itself, may be in the same direction— imposing tighter monetary and four months, often giving over. The withdrawal of the The police, however, come even though the cost could be fiscal controls is that such 20 speeches a day. Mrs. Indira Emergency after her defeat under the authority of the 2 repetition of the labour measures would hold back a complete had no time to complete that needed expansion of infra-

known, she was telling friends. With the Government increas- led by Mrs. Gandbi's Congress down, But they fell less because that she would prefer to sit out ingly ineffective over the past Party was Orissa. For this the next few months in opposition to disorder, reflected in the ristion rather than enter a coalition to disorder, reflected in the ristion rather than enter a coalition to disorder, reflected in the ristion and community that would ing trend of robberies and victory by re-establishing ber monsoon.

The months ahead of high, sugar, diesel, kerosene and raw

The rate of price increases inflation and deepening materials for industry as a

reflects the appeal to a fearful. in supply. and uncertain nation of a woman widely regarded as "Mataji" (Mother), whom they hope will luil their apprehensions by using authoritarian measures, if necessary. In the long run, the expectations aroused by her victory are likely to be as difficult to fulfil as the populist slogan of "Garibi batao" (Remove poverty) with which the street back to the victory are likely to be as increasing labour agitation and in a dismal harvest, pushing difficult to fulfil as the populist communal riots are further slogan of "Garibi hatso" symptoms of disorder.

(Remove poverty) with which she swept back to power in 1971. bated in recent months as gangs inflation, Mrs. Gandhi imposed Those with their donbts about of Congress party thugs have Mrs. Gandhi would seem to have deliberately provoked disturbstayed away from the poll, thus ances to improve Mrs. Gandhi's

the size of her victory-in every bring a sharp improvement in sense a personal trinmpb-will law and order that will redound help solva the problem of restor- to her immediate credit. That

Gandhi has had no time to con- in 1977 brought an immediate various state governments, and sider the policies size would release of tensions that resulted not of the federal authority in Before the results were caste and communal violence, only state government controlthriving black market has de-The size of her majority veloped to exploit bottlenecks power to the states encouraged

#### Law and order

Power blackouts, particularly in northern India and Calcutta, where power stations are work-

producing the lowest turnout in chances. But now the very fear more than 20 years. of what Mrs. Gandhi could do But for the immediate future, is likely to curtail violence and

centralised India doe: not encompass the devolution of by the Janata party. She will want them on a tighter rein. Mrs. Gandhi's real difficulties

are likely to begin in the apring, when the shock of her return will be wearing off and the impact of the drought in northern India will be reflected

a tough stabilisation programme that included cutbacks in public sector expenditure, a halt to bonuses and cost of living increments and a highly restrictive monetary policy.
With inflation now at 20 per

cent, many government officials would fayour such a package The risk of entting back on among them.

The rate of price increases

now is likely to level off as

speculators any away from fur-

ther risks and there is less disruption to the flow of goods.

But those in favour of stabilisa-

tion measures put much of the

blame for the present inflation

rate on the size of the budget deficit and a rate of monetary

expansion that in India has reached the unprecedented

level of 18 par cent above last

likely to be marginal besides the externally generated infla-tion affecting industry through

higher import prices (above all oil) and the impact of a bad harvest. The decisive influence

on prices this year will be whether or not there is a good

Gandhi has had no time to con- in 1977, brought an immediate various state governments, and troubles that paved the way for much needed expansion of infra-sider, the policies she would release of tensions that resulted not of the federal authority in the emergency—because prices structure investment and halt follow if returned to power. in an outbreak of strikes and Delhi. Before the election, the did fall in 1975-76, and she has in its tracks the momentum of been elected to bring prices private investment that bas of the stabilisation programme

> In India the focus of interest in the coming days will be on her choice of advisers and of Cahinet ministers. The new batch of Congress deputies entering Parliament were chosen mainly on the basis of their loyalty and subservience to Mrs. Gandhi or her son Sanjay. There are few promising candidates for aenior posts

the higher level of demand in the economy generated from recent bigher levels of food out-

Such measures would inevitably deepen the recession further. But with food stocks and foreign exchange reserves still high. Mrs. Gandhi inherits a bealthy economy. It is an economy, however, with aerious problems of bottlenecks in the transport, coal and power sectors that require efficient management. It is also one that has banging over it the threat of another bad monsoon, in which case no stabilisation pro-gramme will arrest the rise in

> lose Mrs. Gandhi the 1977 since, linking her own defence encouraged impressions of her ment has heen challenged against judicial charges with administration as a court in hy the Soviet invasion of protecting him against far which Sanjay played the role Afghanistan.

Without much doobt, Sanjay more serious criminal allega- of Dauphin and which had

1975 and then, without any associates encouraged links with Emergency, coming on top of Gandhi had earlier given the She stood by him resolutely Prime Minister's secretariat,

will be her most influential tions.

adviser, Still only 33, it was be While advancing bis political of Delhi and Calcutta. who pressed his mother into career and pushing forward pet declaring an Emergency in social projects, he and his sidering a more open a dubious links to the underworld Mrs. Gandhi is said to he conadministration through commit official position in the Government, took the lead in pushing during the Emergency, gave want to keep under firm control
forward the simplistic programmes of forced sterilisation corrupt image. The concentraand slum clearance that helped iton of power during the that the CIA are against her is deep-rooted. It remains to be the enhanced status that Mrs. seen how far this will carry her towards Moscow at a time when ber commitment to non-align-



Supporters engulf Mrs. Gandhi as news of her election victory comes in

### Rhodesia: impartiality of British exercise called increasingly into doubt

BY QUENTIN PEEL

View

POW

interpretation of the control of the

Total from the control of the contro

Rhodesia appears to be on course. In spite of dire open to accusations of partiality (UANC). would not respond to the ceasefire call within the seven days than those of the guerrillas. His responsible for the administraallowed, if at all, some 18,500 members of the Patriotic Front alliance had reported to assembly points within hours of deploy Rhodesian security forces in fighting the guerrilla war.

Two major consecutions in version of the police and the block areas, have effectively been part of the assembly points within hours of deploy Rhodesian security forces in fighting the guerrilla war.

Now there were the police and the block areas, have effectively been part of the administration of all the black areas, have effectively been part of the guerrilla war.

Now there were the police and the police

promote elections which are to abdicate at the start of the seen to be free and fair in the ceasefire, while the guerrillas wake of a bitter seven-year are supposed to remain in their

The Patriotic Front, for its part, accuses the security forces of breaching the ceasefire, by deploying the notorious security visible impartiality of the force auxilliaries throughout the British exercise lies in its adop-

assembly places. stayed away from the assembly going Government of Bishop places, using their," mnjibhas." Muzorewa and his security teenaged sympathisers — to forces at the expense of the take their places. They also political wings of the Patriotic maintain that there is a wave of Front: Mr. Robert. Mugabe's lawlessness caused by guerrilla Zimbabwe African National bands still roaming the country. Union (ZANU), and Mr. Joshua

areas vacated by the guerrillas: tion of the entire machinery of the operation is much men originally recruited by with only a skeleton staff under Bishop Abel Muzorewa, the out-

face Lord Soames, the British It has been interpreted here Governor installed in the as giving back to the security foir elections. The District former rebel colony, will the forces virtually all the freedom ceasefire hold, and can he of movement they were forced promote elections which are to abdicate at the start of the security for the commissioners and their District Assistants will play an stations, while the police main-

tain law and order.
The actual mechanics of the The ceasefire is already under Indeed, the whole British election will be the most closely pressure. The Rhodesian exercise is meeting growing supervised area, although again security forces claim that criticism here that it is desired by the Rhodesian authorities thousands of greenillas have liberately favouring the outset of greenillas have liberately favouri will organise it.

As for the delicate question of monitoring the armed forces' activities, the Commonwealth monitoring force seems to be watching the Rhodesian forces much less closely than the guerrillas. Whereas the guerrillas are in 16 well defined assembly places, each assigned a 17-man team of Commonwealth troops, the Rhodesian

auxiliaries are being systemagoing Prime Minister, as his machinery, both civil service tically monitored. And for the "private army." Front officials and police is deeply committed Rhodesian army there are 45 say the auxilliaries are respons to the retention of the status two-man teams to monitor what

AGAINST ALL the odds, the ible for much of the lawlessness quo and therefore to the promo-Lancaster House agreement on and intimidation. tion of Bishop Muzorewa's pany bases. It is up to the Rhodesia appears to be on Lord Soames has laid himself United African National Council monitoring force colonel based in each of the five commands of Rhodesian Joint Operations to decide how to allocate his teams. Otherwise, the monitoring force relies on being kept informed of operations by the Rhodesian

command. Even in more specific areas their election campaigning, first hy refusing to lift the han on them until they had signed the Lancaster House agreement and

set any limit to party political financing for the election, arguing that it is impossible for his akeleton staff to control Bishop Muzorewa, who accused affecting the elections, Lord it if they wanted to But again, the Patriotic Front of breaking Soames' rule is accused of being this decision almost certainly the ceasefire, but there was no loss than free and fair. He has benefits the UANC the most, response by the Front. forced the Patriotic Front and probably Mr. Nkomo's The other area where there parties to delay the start of ZAPU as well, at the expense of the other parties, who are less likely to attract heavy foreign financing.

Both the Rhodesian Press,

day of the ceasefire deadline,

is an imbalance between the ZAPU, is in transporation. This administration. is likely to be crucial in an

then by asking Mr. Nkomo and and the government broadcast-alection campaign held during Mr. Mugabe to put off their ing service, are heavily biased the wettest month of Rhodesia's return. Bishop Muzorewa and in favour of the bishop. Althe other internal party leaders though the Zimhahwe Rhodesian managed to hire a very large have already launched their broadcasting service has been proportion of the private huses campaigns.

The Governor has declined to terrorist, its news selection re- to party organisers—which has mains highly selective. On the even hindered the Commonwealth monitoring force moving the only man interviewed was guerrillas from their rendezvous points to assembly areas.

British officials have stressed loth to supp that the elections must be seen hacking out. to he free and fair. However, the Governor appears oblivious to much of the criticism, relyparties, caused in part by the ing heavily instead on the advice late organisation of ZANU and of the existing Rhodesian

Nevertheless, he does have in a solution.

important forces working in his favour, whatever the impartiality of the exercise. Most important ls the continuing commitment to the settlement of the front-line African states. Now that most of Rhodesia's horders are being re-opened, the neighbouring states of Zambia and Mozamhique in particular will he extreme!y loth to support the Froot in

On the other side. South Africa, io spite of belligerent talk, is equally unwilling to Intervene in what could be an unwinnable guerrilla war. All sides have a very real interest

### Iranians admit industry hurt by shortages and investment lack

BY SIMON HENDERSON IN TEHRAN

rapidly, and that Iran can manage without foreign experts or investment. But the newspaper articles give a different

One article in the daily Islamic Republic, the organ of the hardline, pro-Khomeini clergy, reports on the findings of a government mission to Saveh, a development town about 50 miles south-west of

It says industries there have since the revolution from strikes, go-slows, financial problems, shertages of raw materials, and interference in management by revolutionary councils. The most important problem, it says, is uncertainty, which has resulted in invest-

ment drying np.
The other article, in the daily Ettelaat, a more independent paper, reports that a crisis has gripped Iran'a light and heavy industries. Production has declined considerably in many industries, and, in some cases, has stopped completely.

Interviews with three managers of car-manufacturing companies and two managers of steel mills show the seriousness of the problem. The newspaper warns that the more widespread effects of this on industry a Hunter cars from Talbot of reference to the Britain and Mercedes buses and force of 4,000 workers," he said.

Official spokesmen usually production is running at 30 per answer criticism of the cent of pre-revolution capacity, economy with assertiona that after cessing completely. However, this is less than half the theoretical full production. the theoretical full production.
The decline in production was due to the shortage of imported

parts, hut an arrangement has now been made for supplies. The cost price of each car is higher than its aelling price and the manager says the company is unable to meet its banking

commitments.

The manager of the SAIPA car company, which produces the French Citroen Dyane and Renault, says 40 per cent of his 2,500 workers have been laid off. The cars are being sold at 1978 prices, but there will be a price increase soon to meet the higher cost of materials and

He told the newspaper that some workers in the plant ("associates of the former regime") wanted to hinder assembly. The manager has obviously been assigned to his post since the revolution, for he says the factories had been set up by the Shah's regime merely for the benefit of imperialists. What Iran wants is a car industry independent of

foreign countries. Mazda's problem with im-

A FRANK admission of the political consequences of trucks. Recent deliveries of poor state of franian industry unemployment will cartainly Hunter kits, after the three-following last year's revolution appear, thus threatening the month strike in Talbot's West has emerged in two lengthy revolution.

Bromwich factory, should lead to production rising from the language newspapers.

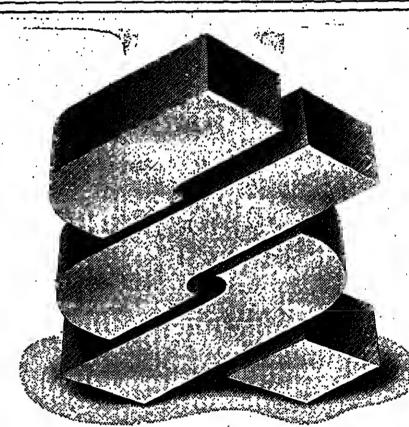
Selling Japanese Mazda cars says present 220 cars a day towards and the production rising from the language newspapers.

the previous levels of 500 a day. Several companies in Saveh are intended to produce car parts, but supplies of these are also disrupted. The Saveh spring-manufacturing factory, intended to produce suspensions. is ldle, with only six employees instead of 300.

The Imperial Paint Company, producing car paint, had all its machinery destroyed in a fire. The Pars Tyre Company, whose ahareholders include Dunlop and Pirelli, has been idle for months. The management having disappeared. The Iran Tyre Remoulding Company is also at a standstill hecause of lack of

investment-A common problem, which also explains the shortages of component parts and raw materials, is the unsettled lahour force. Unemployment is admitted by Government officials to be running at about 30 per cent, or 3m people. But there are also lay-offs, with factories having to pay wages to all their

workers. Eloquent festimony on labour problems was given by the managing director of Iran Steel Industries. Contract workers in Ahwaz, the south-western oilfield town which is also an industrial centre, bave been ported parts is also a problem demanding more wages, but for SAIPA and Iran National, when it is raining or cold they which assembles Hillman do not go to work. "We are helpless in dealing with a work-



## CHARTERED TRUST

## Already one of the largest finance houses

It is almost certain that Chartered Trust will be a new name to you even though we are already one of the top Finance Houses in the United Kingdom.

But that's not surprising because, until recently, our national network of branch offices covering most major cities and towns throughout the U.K. offered Banking, Leasing, Instalment Credit and Industrial Finance through Hodge Finance Limited, Hodge Leasing Limited and Julian S. Hodge & Company Limited.

Yes, Chartered Trust is the new name for what was previously known as Hodge and as members of Standard Chartered Bank Group inherit a most impressive pedigree. Chartered Trust are part of Britain's largest independent.

international Bank who have 1,500 offices in sixty countries and assets of £12,000 million. A good starting point for any new company.

That's enough about us - what can we offer you? Apart from our very extensive portfolio of financial facilities, all our offices are staffed by experienced and knowledgeable personnel waiting to advise and assist you.

So, although you may not have heard of our new name before - why not get to know us? For the time being, we are still listed under Hodge in the telephone directory. We have a big future in front of us and a big bank behind us.



An increasingly common situation - are you or your company handling it well? More and more it is not entirely the fault of the individual being dismissed. Individual being dismissed.

Redundancy should not turn a person into an emotional outcast and maybe, a potential hazard We can help you - cost effectively - to feel at

ease with your stewardship of an often difficult and

embarrassing situation by providing the subjects with close professional support enabling them to have enthusiasm and genuine confidence for their

For further information about our service ONWARD PLACEMENT FACULTY



HEAD OFFICE: 24-26 NEWPORT ROAD, CARDIFE CF2 1SR. TELEPHONE: 0222 42577 TELEX: 49589

## Soviet invasion poses a threat to the Islamic world

BY ALAIN CASS IN ISLAMABAD

WHEN THE Soviet Union flew This remains to be seen. In the border with Afghanistan, its troops into Afghanistan at an ora of ballistic missiles a Christmas, biatantly violating warm water port aeems of less the spirit of detente as the strategic value than in times United States understood it, the past. Moreover, the U.S. has intervention provoked two made it clear that it will inter-

The first resulted in a crisis vital to the economies of the botweeo tho Unitod States and bave been immediate, tangible clash—as the Russians bavo and quantifiable. The second set of events may be loss visible hut, ultimately, could provo devastating. They flow from the more presence of a Soviet occupying force in the beart of an area which Is both volatile and of vital stratogic importance region is the vast nomadic to the industrialised world.

The Soviot takeover of Afghanistan — thioly populated country roughly the size of - appears to throaten the oil-bearing regions of the Gulf and the sub-continent nasmuch as Iran and Pakistan lie in the path of a putative Russian advance.

The Islamic world is convinced that Afghanistan is tho first of many dominoes to fall in a Soviot drive for direct access to the warm waters of the Indian Ocean (for its southern bemisphere fleots) and for control of the Gulf oilfields (in acticipation of the time when its own wolls ruo dry).

### Pressure on Spain to join NATO

By Robert Graham in Madrid THE SOVIET Invasion Afghanistan has increased the pressure on the Spanish govern-ment to docido on NATO Events · memborsbip. Afghanistan bavo also clouded the orospect for the European security conference, whoso follow-up is due to be held in

Madrid in November. NATO memhership is linked with the next phase of the security conference in Snatu. Over the past year, NATO memhers have been urging Snain to join the alliance. The Government has refused to commit liself even though adherence to the alliance is part of the olicy of the ruling . Union de Centro Democratico. The strongest bint came last month when Sr. Adolfo Suarez, the Primo Minister, visited Brusseis and praised the NATO docision on missilo armaments.

The maio argument against an early decision has been that it would be an unheipful gosturo to the security cooference while Spaln was the host. In other words, nothing could be done until the conference was over.

the Americans bavo mado no socret of thoir belief that NATO

separate sets of chain reactions. Yene militarily to defeod the oil

West and Japan. The consequences of such a presumably assessod—are incalculable and therefore unsubversion. more difficult to guard against.

The key to instability in the tribes which atraddlo existing political boundaries. Without oxception they are, in varying degrees, nationalistic, xenophobic and resentful of central authority. But wbothor thoy be Kurds in the Turkey-Iraq Iran nexus, Turkish-speak-ing Aberbaijanis in western Iran and the sonthern USSR, Baluchis in Pakistan, Afghanistan and Iran or Pushtuna on the Pakistan-Afghanistan borthey are all vulnerable to

outside influoncea Iran is already threatened by armed secessionist groups, some of which are backed by outside powers. If it chose to, the Soviet Union could foment trouble in the tribal belt which runs along line defining the border between - tun-and Baluchi peoples.

exploiting the political vacuum which now exists,

The conventional wisdom has been that the Russians had an intorest in a stable, If hostile, Iran on their southorn flank. Now the gains to the Soviet Union from an uprising against Ayatollah Khomeini seem undeniable. The problem for the West,

and for the U.S. in particular, thinkable. The threat of covert is that the Khomeini regime is as hostile to Western Interests against Iran and Pakistan, is as it is to the Kremlin. Any scope for bolstering Iran against the Soviet threat is therefore severoly curtailed, especially while the U.S. bostages are beld in Tehran. Even if they were released, the pros-pect of wiping the slate clean and forging an alliance between the West and tho radical

Moslom world is improbable in

the present climate of Islamic

revivali;m. For precisely the same roason the U.S. may find it difficult to entice Pakistan back into the fold, bowever frightened and isolated that country now feels with Russian tanks less than 50 miles from its

borders. If anything the tribal threat revived these claims in his first to Pakistan is greater than that speech referring to the "legitito Iran Tho so-called Durand mate aspirations" of the Push-



Mr. Babrak Karmal: revived Afghan claims to vast areas of Pakistan in his first speech.

long been disputed by Afghanistan, which still lays claim to vast areas of Pakistan, as far as the Indus rivor. Mr. Babrak Karmal, tho new Afghan leador,

The tribal areas which stretch along the border up to 30 miles into Pakistan are soparately administered and defended by the Pakistan Government. These and the Pushtun-dominated North-West Frontier province and the strategic southern province of Balnchistan, are all alive with by the Russians.

There are even fears that the Soviet Union may claim the right of "bot pursuit" into these areas, which are being used by the Afghan rebels as training areas and sanctuary. Given the boundary dispute, assurances that the U.S. would stand by its bilateral defonce treaty with Pakistan-an executive agreement-not ratified by Congressin the event of ontside attack sound hollow in Islamabad.

President Zia-ul Haq, Pakistan's military ruler, has other problems to contend with. His country is facing severe economic difficulties, and tho burden of feeding and housing swelling numbers of Afghan refugees could prove intolerable. The cost of keeping the present total of 400:000 is \$160,000; if the total rises to 1m. as some say could occur by the spring, the meagre handout of four rupees a day would cost Pakistan a crippling \$2.8m a

week unless extra international assistance became available.

Pakistan's debt burden of \$7-8bn and high debt service ratio is relieved by a recent agree new low when Congress India would undoubtedly regard ment with the for \$150m of imposed an arms and aid this as a threat to its own credits and by some \$200m in embarge in an effort to pressecurity and this, in turn, might leans from the Sandis. But on sure Pakistan into suspending set off a chain of events which the domestic front the budget its nuclear programme.

issues wide open to exploitation deficit this year is fikely to top \$200m sug the Covernment will will authorise the resumption of inevitably have to print money arms deliveries to Pakistan, to cover the shortfall. With presumably after Congressional inflation now running at consultation in normal circum-between 18 and 25 per cent, a stances President Zia-ul Han further rise will add to the might leap at the opportunity. regime's intense unpopularity. and may still do so after a The Pakistanis see them suitable period of public selves sandwiched in between a hasgling if the package is big

commitment of the Russians to India despite g more even-handed political approach in Dolhi, and will see still more reason to worry in Mrs. Gandhi's election performance. India has a vast arsenal of weapons made or about to be made under licence from the USSR including MiG 21, 23 and 25 aircraft, booster rockets, reconaissanco satellites, ahips. tanks and an entire military support programme. The Pakistanis are bitterly.

critical anof the Americans, whom they regard as fairweather friends. Relations Washington and Islamabad have been going Indo-Pakistan war, but hit &

President Carter has said he Russian satellito to the west enough and the terms are right and India to the east. They — Pakistan might face problems point to the deepening military over purchases for each.

Politically, too, there are difficulties. American credibility in the region is seriously questioned, and President Zia. like many of his Islamic colleagues, have to weigh up carefully the advantages of what is bound to be a limited military package against the high risks of being seen to fall in lino with the U.S. The possibillty that he may adopt a neutral stand and formally ally himself with the Moslem and the Third World cannot be excluded.

President Carter, on the other hand, will have to decide just how far he can go in giving steadily downhill since the first. Pakistan the sort of qualitative military boost it is seeking since India would undoubtedly regard this as a threat to its own security and this, in turn, might

### Grain market may be closed to the Russians Bonn looks

BY JOHN EDWARDS, COMMODITIES EDITOR

ablo to obtain grain from other sources, apart from the U.S., do not seem justified by the facts. In the wheat market, five major exporting areas - the U.S., Argentina, Australia, Canada and the EEC accounted for 64.2m tonnes out of total world trade of 71.2m tonnes. The Soviet Union itself, with 2.5m tonnes, and other

countries — Sweden, Turkey, Hungary, Romania and Bulgaria -accounted for the remaining 7m tonnes. To 1979-80, the other countries, apart from the big five, are expected to export only 5m tonnes (including 1m tonnes by the Soviet -Union); out of a

In the coarse grains (maize and other feedgrains), the market in 1978-79 world trado totallod 89.7m tonnes. Of this, the U.S. accounted for 57,1m

record world trade of 77m

SOVIET CLAIMS that it will be tonnes was shared botween - the EEC to ignore the embargo, Argentina 11.5m, West Europe there are no other major sources 6.3m, Canada 3.9m (mainly of supply: All it could hope barley), South Africa 3m, Australia 2.6m, Thailand 2.2m, other countries 2.2m, and the Soviet Union 1m tonnes.

This season (1979-80) the U.S. share of world coarse grain exports is expected to rise to 1.2m out of a total trade 101:0m tonnes: Argentina's sales are forecast to fall to 9.6m tonnes, belping reduce the non-U.S. exports to 29.8m, tonnes.

Tho five leading wheat ex-

porting countries are due to an emergency meeting called by the U.S. on Saturday to seek support for its suspension of sales to the Soviet Union. So far, only Argentina, which has a reduced crop this season, bas indicated that it will fulfil its

to do is pick up small quantities . from other areas, like Thailand, South Africa and possibly via its Eastern European allies— most of whom have suffored poor barvosts, causing them to step up imports. However, onco again, the U.S. will be tho main supplier to these countries, and it will no doubt urge other i suppliers to restrict exports to countries to

Tho U.S. has emphasised that the present suspension of grain. sales is different from previous embargoes during the Ford and Nixon Administrations, which were heavily criticised by custocutback in soyabean exports in 1975, because of a shortfall in the U.S. crop, caused such wheat sale commitment of im resentment, that the U.S. tonnes to the Soviet Union. Administration at the time said. Unless the Soviet Union can it would never cut sales again persuade Australia, Canada or in this way.

WORLD COARSE GRAINS EXPORTS (million tonens) 1978/79	
Source	(est.)
Argentina 11.5	9.6
West Europe 46.3 Canada 3,9	5.6 4.3
South Africa 3.0 Thailand 2.2	. 23 `
USSR 1,0	. 0.0
Others 2.2 11.5. 57.1	712 ^
World total 89.7	107.0

WORLD WHEAT EXPORTS					
Source	1979/79	1979/80 (est.)			
Argentina Australia	3.3 7.2	· 3.5			
Canada EEC U.S.	7.8 32.4	7.0 36.0			
Total	64.2	72.0			

World total 71.2 77.0

### Japan's response muted by economic ties

BY RICHARD C. HANSON IN TOKYO

on its external defence arrange over, economic ties with the sider their options limited. coupld damage those relations.

in three major resource dovelop, tions, but it is unlikely that ment projects in Siberia with Japan will pull out of deals

During the present East-West THE SOVIET invasion of stronger than the reaction to financing has been extended by

The Japaneso reponse to the talks on four others presently stready agreed just to teach the Soviet moves has been much at a standstill. Over \$150m in Soviets a diplomatic lesson.

During the present East-West tension, this argument carries design that the first tension, this argument carries design the set of the conference, the Covernment will bave to decide the conference the Government will bave to decide the conference on its external defence arrange—over, economic ties with the sider their options limited, timber and natural gas.

China could face complomonments. The defence treaty with USSR are too vital to justify Japan is already committed. The Soviet military action tary military and diplomatic the U.S. expires in 1981, and other "concrete" actions which to co-operate with the Soviets could complicate future negotia action. The U.S. had begun to realiso the benefits of contacts botween the defence establishments of the two countries, he

### for EEC initiative

By Jonathan Carr in Bonn IN THE wake of the Soviet intorvention in Afghanistan, West Germany is pressing for a European Community initiative to support the indepen-dence of other states in the Middle East.

Betr Hans Dietrien Genscher, Foreign Minister, underlined at the weekend that with its latest military action the Kremlin had again hown it was not the natural ally of countries outside the Soviet ploc.

The Europeans now had to demonstrato, with economic

aid and political co-operation, that they respected the nonaligned status of Middle East, states and were ready actively to support it.

Herr Genscher drew a parallel with European aid for the Association of Sonth-East Asian Nations members who had formed the alliance to resist threats to their

Similar ideas are likely to be broached by Count Otto Limbsdorff, Economics Minister, in talks in Sandi Arabia and several other Gulf states this week

Bonn also fears the Soviet intervention may have harmed West German efferts to promote detente with Eastern Europe - not least with East Germany. A question mark now hangs

over the planned meeting between Chancellor Helmut Schmidt and Mr. Brezhnev, the Soviet President

### Italy reopens debate on communists

BY PAUL BETTS IN ROME

THE Afghanistan crisis is in past weeks. having major political reporcussions in Italy, rekindling the debate on the participation of the Italian Communist Party regarded by several left-wing the largest Communist party in forces here, including the left the West in Government of the Socialist Party, as a

the largest Communist party in forces here, incloding the left the West-in Government of the Socialist Party, as a This comes at a particularly significant confirmation of the delicate moment for Italy. Communists independence from coinciding with growing demands for an emergency allering governing coalition to tackle the increasing economic and social difficulties.

Such a coalition, which could enrice Berlinguer, the Communist Party of the French Communists to justify the invasion. Talks between Sig. Earlie presence of Communist Secretary-Genoral, and entall the presence of Com- munist Secretary-Genoral, and munists or independents in the M. Georges Marchais, the Communist Party lists in government, would replace Sig. Rome at the weekend, seemingly Francesco Cossiga's minority failed to help resolve thoir Government, which has faced a differences, battery of criticism from the Moscow and its readiness to left-wing parties and the unions enter government.

Tho Communists' condemna-

tion at the weekend of the Soviet invasion has been

### Yugosłav media outcry

BY PAUL LENDYAL IN YIENNA YUGOSLAVIA'S MEDIA has sharply attacked the Soviet East bloc journalists are reportsharply attacked the soylet hast vioc journal that special invasion which the Belgrade ing from Kabul, the special Politika called a "dauger to correspondent of the Belgrade world peace." The newspaper Politika was turned back from

Soviet action. The Yugoslav Press has stressed that this was the first

While East German and other Borba also sharply attacked the Kabut airport along with Western newsmen.-

Yugoslavia a leaders have not time that Soviet troops had publicly condemned the Soviets intorvened in a country which is but a joint statement issued not an official member of the vesterday by the Yngoslav and so-called so-called so-called for a withdrawal of foreign policy. The media has also troops from Afghanistan and extensively reported the world. Cambodia without mentioning wide condemnation of the Soviet Union or Vietnam by action.

### AMERICAN NEWS

### Venezuela reduces | Wall Street | Deliberate policy' pushes Brazil's inflation to 77% supplies to major oil companies

BY KIM FUAD IN CARACAS

supplies to major international for technical assistance. oil companies in 1980 under sales agreements to be formalised in the near future. formalised in the near future. allowed much less flexibility io This reflects, in part, the lifting volumes of oil and smaller total exports available, absorbing price changes. They down from an average of ovor must pay in 30 days and their 2m barrels a day in 1979 to 1.8m purchases of Venezuela's scarce b/d this year. The majors will light and medium crudes -receive less than balf of the about a third of total exports-

higher basic prices. . Hardest bit by the cutback is demanded that the companies Exxon which reportedly saw its certify the final destination of 600,000 b/d level last year the crude they buy from reduced to a little over 400,000 Veoezuela ln order to ayoid b/d in 1980. Sholl's level is having the oil, purchased at an believed to have been reduced average \$23 per barral, resold from some \$50,000 b/d to less on the spot markot.

panios which operated in insist that they aell no oil on Venezuela until the 1976 nationspot markets. As a result, a alisation of their proportios modified version of the original have since purchased the bulk demand was finally agreed. of the South American producer's oil exports under renew- sales to major international able two-year contracts. This companies reflect Vonezuelan year. Veoezuela took advantage policy goals of selling directly of the expiration of virtually all its salos contracts at the end

In tough negotiations con-sunnly agreements. cluded before Christmas, most of intent accepting Vonezuelan reduction in foes of about It has also agreed to supply \$150m per year paid to the com- Italy with 70,000 b/d.

VENEZUELA IS cutting its panies by the state ell industry

In the new one-year sales volume projected for 1980 and are linked to lifting larger have also been forced to accept volumes of less valuable and tongher terms, quite apart from harder-to-sell heavy crudes.

Venezuela had also

This demand was hotly con-Exxon, Shell and other com- tested by the companies which

The new terms for crude to end-users ratbor than going through company channels. of 1979 to make major changes Additionally, Venezuela bas to wolnness prices and other committed itself to Government-to-Government negotiated

Thia year it will provide of the companies aigned lettors Contral American and Caribboan nations with over 140,000 demands, including substantial b/d under preferential terms.

### Journal to expand

The Wall Street Journal, the leading daily U.S. business-newspaper, is planning a major expansion of several of its operations in the current year, according to Mr. Warren H. Phillips, the chairman and chief executive of Dow Jones and Co. which publishes the and Co. which publishes the Journal.

In a letter to readers in yesterday'a issue, Mr. Phillips discloses that the Journal will shortly increase by around 10 per cent the space in the paper devoted to news.

At the same time it will-increase, its foreign news. coverage to reflect the increas ing impact of events overseas on American lives and the end of the year or in early 1981 there will also be an expansion of editorial opinion coverage.

The Journal, which lays claim now to being the nation's largest newspaper in circulation, is also planning to open new printing plants near Chicago and Sharon, Pennsylvania in the 1970s the paper became the first to use space satellites to transmit news to overseas editions.

Iran böycott plan AMERICAN labour leaders yesterday launched an attempt to organise a worldwide boycott against cooperating in trade with Iran, Ian Hargreaves writes from New York. Five officials from transport unions in the U.S. and Canada sent a cable to the London-based International Transport Workers' Federation calling for an emergency meeting of the federation's executive to plan

anti-Iranian action.

PRESIDENT Jimmy Carter has

decided to curb benefits for the

long-term unemployed in the

coming year, a move that is likely to anger trade unions, and

to put the money into subsidis-

ing more bousing for low-income

families, a boost for the sag-

The shift is part of the Administration's juggling act.

preparatory to the unveiling at

the end of this month of the now

1980-81 federal budget. The White House evideotly wants to

offend as few interest groups as possible in this election year,

despite the obvious difficulty of

reconciling its twin goals of increased defence spending and a

As things stand at present, the new budget, to be anniquiced

smaller budget deficit.

gin construction sector.

BRAZIL'S inflation soured to were out of step. 1979 was the requests

BRAZIL'S inflation soared to 77.2 per cent in 1979 — the highest rate in the past 25 years excluding 1964, when the figure was 91.9 per cent.

The wholesalo price index rose 80.1 per cent during the year, with an 8.6 increase in December. Overall inflation in December was 75 per cent.

According to the Getulio Vargaa foundation, which published the final 1979 iggres yesterday, the upsurge of inflation last yoar was largely duo to "a deliberate Government policy of realigning prices that policy of realigning prices that policy of realigning prices that the animoration in policy of realigning prices that policy of realigning prices that the animoration in less that the upsurge of inflation is prices of oil derivatives. The planning services following the 30 per that the major corrections were on December 7, tax inspectors in prices of oil derivatives are examining; the books of services providers of the spectice of the spectors of the spectors have been deaded to cut and Congress that led to abolism the prices of inflation in prices of oil derivatives. Four hundred in 1964, although these corrections inspectors have been deaded of the spectical oil of the two artificial policy of realigning prices that policy of realigning prices that the although the second of the final prices in the prices of colors in the price of final two interests in the precent moat milk and hotel 'hectminor could be reduced in could be reduced in the price of final two interests and lower, public administration of President less frequents and lower, public administration of President less frequent of the cross frequent in the price of final two interests and lower, public administration of President less frequent in the price of final two presidents and lower, public administration of President less frequent and lower, public administration of President less fre sharply higher dil prices looms powers first instituted in 1964, large, over whatever official amnesty for 5,000 citizens efforts may be made pumished under these powers, of The sudden death of Sr. extinction of the two artificial Petronio Portella, 54 on Sunday promand anti-government could imper Brazil's progress political blocs, and the formatowards political liberalisation. tion of multiple parties.

U.S. BUDGET

### Carter to boost housing



on January 28, will propose spending of \$616bn with a deficit House have improved markedly against the new restrictions in bousing units

jobless benefits, parficularly when the Administration inself is forecasting a rise in the imemployment rate out; the year to 7.5 per cent, compared with the 5.8 per cent of last Novem

The AFI-CIO trade union federation explicitly based its Co-operation with the Carter Administration, enshrined in the loosely worded "social contract" agreement of last October on adequate measures to deal with rising unempley ment of the contract of the contrac ment. A mild economic recession has been widely forecast The Administration's move tightens, the formulae under which those without jobs can receive an extra 13 weeks benefit in radition to the normal 26 weeks. Mr. Carter's budget planners believe this could save on January 28, will propose spending of \$61650 with a deficit of around \$1550, half the short fall in the current fiscal year.

But trade union loaders, whose relations with the White in recent months, may well take House have improved markedly against the new restrictions in housing units.

But trade union loaders, cuts in unemployment benefit whose relations with the White in recent months, may well take against the new restrictions in housing units.

But trade union loaders, cuts in unemployment benefit will allow the Administration to subsidise an extra 300,000 Romero last October.

But trade union loaders, cuts in unemployment benefit will allow the Administration to subsidise an extra 300,000 Romero last October.

### El Salvador party elects candidates for junta

leftist groups and the exclusion. Archbishop Oscar Arnulfo af private exterprise representatives from the Government that the Government was mov-

Hirezi was Foreign Minister in the Minister and said it showed the previous Government which they were honest men.

Two military junta members beadquarters last Friday. The

Most of the political parties AP.

SAN SALVADOR — The in fite previous Government christian Democratice party have said they will not join any agreed on Sunday to form a new Government. A third new government with the junta member will also have to military if its conditions were met. The party is demanding a transformation of the selected to weight the junta in favour of the civilian sector. But there was no indication who leftist groups and the exclusion of the candidate might be.

Archishop Oscar Arnulfo

The Caristian Democrats, the ing to the right. There had been many incidents of representation party been many incidents of representations in the last few material convention held at the weeks Ho praised the resignations of the junta members and members and the property of the purity many members and the purity members an

the previous Government want, they were nonest mencollapsed last week.

About 300 people marched in
There was no indication if a funeral procession for a
the military would accept the young woman killed in a guerChristian Democrat demands, rilla attack on National Guard
The

ambassador, for ransom.

A STATE OF THE STA - Bioche

A STATE OF THE STA

and China

sign new

trade pact

ing a new trade agreement

signed between the two conn-

Mr. Hon Sul Sen, the Singa-

pore Trade Minister, said on his return from China that details of "industrial comple-mentation" would have to be

worked out as it would involve

both the private and public

sectors. Signing the agree-ment with him in Peking was

Mr. Li Qiang, the Chinese Foreign Trade Minister.

tries Reuter reports.

BY GUY HAWTIN IN FRANKFURT

VOLKSWAGEN. THE U.S.'s Stanton Pennsylvania has had the U.S.—a not nnexpected newest car manufacturer, has particular success with the U.S.—development Sales of other VW seen demand expand there by 22 made model. Despite teething models, including the Passat per tent in volume during 1979. troubles in the early stages of Sales appear to have been production the U.S. experiment carbed only by the group's appears to have been a major ability to deliver, and VW has success. brought forward its DM 1.5bn

The group, which producers

The Golf model's advance, Directan American version of the
Golf-sold as the Rabbit in expense of other models of the
former Chrysler plant at New group which have been sold in years.

Deliveries from New Stanton (£392.2m) scheme to expand its have risen from 23,017 units in According to the company. Total Golf sales were considured in 1978 to 188,839 units last year.

Total Golf sales were considured in 1979 totalled 222,017 much of the year diesel-powered units. This compares with Golf were supplied to the U.S. 239,300 units in 1978. 1978 to 168,839 units last year.

models, including the Passat, fell from 1978's 89,830 units to 77,182 units.

This year, the group expects sales to rise by a further 11.3 per cent to 325,000 units. Of this, the Pennsylvania works will account for deliveries of 225,000 units.

Volkswagen's expansion in the U.S. market is expected to contime for some time, as It is at present the only domestic manufacturer of small vehicles. Direct competition from the Detroit manufacturers is not foreseen for another couple of

Industrial complementation among the Association of Southeast Asian Nations (ASEAN) usually involves the investors getting part of the produce as payment for funding and services. In the

long term, Singapore could export industrial products and in turn purchase raw mate-rials from China and its industrial plants, he said. Katharyn Davies adds: The new trade agreement will facilitate credit arrangements for the sale of capital goods to China. Mr. Hon said that up to now China has paid for its purchases of industrial products on a cash basis. However, as part of its modernisation.. programme China- is likely to require credit and the formalisation of a trade pact will make this easier to arrange.

Under the agreement, the two countries will grant each nther most favoured-nation status un customs duties and other taxes and duties in res-pect te trade.

They will also provide the maximum facilities possible to increase bilateral trade and narrow the existing trade gap, and all payments between them will be made in freely convertible entren-

In the first 10 months of 1979 intal trade between Singapore and China had reached S\$1hn (£210m) according to official figures

In 1978 China's Singapore totalled \$\$130.7m . while exports amounted to S\$775.5m.

A difficulty for the Singaoreans is that they have declined to normalise diplo-matic relations with Peking until their ASEAN partner, Indonesia, does so. Mean-while, Singapore Airlines is planning weekly flights to Peking and Guanzhou from

• Passenger ship service between Shanghai and Hong the first time in 28 years, AP reports from Tokyo. The Xinhua news agency sald the 19,000-ten passenger cargo vessel Shanghai left Shanghai in the afternoon with a capacity load nf 400. The 358-mile veyage to Hong Keng

### Bid for Zambia, Rhodesia links

LUSAKA — The Lusaka Chamber of Commerce and Industry plans to establish relations with its Rhodesian counterparts, with a view to promoting trade between the two countries, AP reports.

Mr. James Watson, chairman, said yesterday he would go to Salisbury for a series of meetings on finisheld arrangements regarding exports and

· Kenya Aliways is to begin a service from Nairobi to Salisbury, John Worrall reports from Nairobi. It will he the first direct commercial contact between Kenya and Rhodesia since 1965. Kenya is one of the four Commonwealth countries which have sent peacekeeping troops to Rhodesin

### Singapore | Iran copper mine exports at risk

BY SIMON HENDERSON IN TEHRAN

THE HEAD of National Iranian newspaper interview. A group Copper Industries, Mr. Mostafa of Iranian consulting engineers Maddah, has predicted that work have been brought in to assist. on production facilities for the SINGAPORE—Singapore and China will undertake more industrial co-operation follow-

But it does not appear that any of the copper from the mines will be available for export. Mr. Maddah said that annual production will be kept at an initial level of 145,000 tons, all for the domestic market ·

with the final operation of the was cancelled. At the time, the project owing to the sudden mine and the initial process departure of contractors and plant were 90 per cent com-U.S. consultants, he said in a piete.

Under the original develop-Sarchesmen copper mines - ment plan, two American comone of the world's biggest panies, Anaconda and Parsons deposits — may be completed Jurden, were to handle the in six to 12 months.

Jurden, were to handle the mining and processing, and two mining and processing, and two European companies, one from West Germany and the other from Belgium, were to deal with the end processes. The whole cost was estimated at \$1.6bn (£714m) and annual production

was to reach 500,000 tonnes.

After the Iranian Revolution, the project had been suspended Some problems had arisen and the contract with Anaconda

would introduce Iranian engineers to the company to finish off the work. According to Mr. Maddah, Iran i; studying how to set up the refining of hlister copper—above 96 per cent purity—independent of foreign expertise.

been approached on questions Mr. Maddah did not specify

The contract with Parsons • South Korea's Energy Jurden was revised so that NICI Minister, Mr. You Sae Yang, met ye;terday with Sheikh Ali Khalifa al-Sabah, Kuwait's Oil Minister, oo prospects of supplying South Korea with additional amounts of crude oil, AP-DJ reports from Kuwait.

Mr. Yang arrived in Kuwait on the first leg of a gulf tour, that also will take him to Saudi Decision-making was now Arabia and Oman. He will he being handled by Iranian per-asking Kuwait to buy Gulf Oil's sonnel and domestic Iranian share in the Sonth Korean industries were being invited to Petroleum Company. The manufacture spare parts for the American company is due to complex. A number of non-sever ties with the South aligned European states had Korean company later this year. Most of South Korea's annual technical knowledge, but oil requirement of 228m harrels i: heing imported from Saudi Arabia and Kuwait.

### A-300 order for Tunis Air

By Terry Dodsworth in Paris AIRBUS INDUSTRIE has wob

OWe

us per centi us 5 per centi us 5 per centi us 5 per centi

Conh-Rick

then plane

the property iff Die A. Most Cam

f sime Dy ; Hour the Fe

to found are " " has the

A 40 3 100 100

ಚಿತ್ರದ ಸಂಶೋಧ

ol oblicologija o popostes

in a farewit

್ 72 ಚಿತ್ರ ಚಿತ್ರ

Browns m for

### Swedish car sales up 7%

BY JOHN WALKER IN STOCKHOLM

another new client with nne firm order for the A-300 Airbus placed by Tunis Air. The Tunisiam company has also placed an option on another air craft. It is planning to use both on its European and Middle of improvement early this year. Eastern network.

This deal brings the second to the first half of the year with the weakness of the second fall expected to show signs of improvement early this year. Even so, sales will have to be 215,000 units, an increase of 7

NEW CAR sales in Sweden for creased its market penetration the whole of 1979 amounted to from 49,831 units in 1978 to 55,751 last year, equivalent to a market share of 25.9 per cent. Saab has increased its sales from 28,600 units in 1978 to 30,805 last year, a market share of 14.3 per cent.

Of imported cars, Volkswagen leads with sales at 24,475 units, equal to a market share of 11.4 on its European and Middle Eastern network.

Even 50, sales will have to be leads with sales at 24,475 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the shorter A-310 versions. Airbus is hoping this latest agreement will help it to make further inroads into the North African market, where it has had difficulty in dislodging Boeing from its dominant position.

Of imported cars, Volkswagen leads with sales at 24,475 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the previous year. Ford has slightly increased its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to reach a level like per cent, marginally up on the interessed its sales to 22,738 units, pushed in their limit if they are going to a market share of 11.4 are going to a market share of 12.6 per cent. General Motors has increased its sales to 22,738 units, pushed in their limit if they are going to a market share of 12.6 per cent in 1978 to 10.5 per cen

### Danish ship earnings to rise

COPENHAGEN — Denmark's considerable gains on 1978 and the number of ships would total foreign exchange earnings because of improved demand, fall, because of the high cost of from shipping are expected to especially for larger vessels, sailing under a Danish flag. The rise in 1979 to about Kr 10bn and specialised tonnage. owner's new building pro(£847m) from Kr 8.8bn in 1978,
Mr. J. D. Lauritzen, chairman enabled all laid-up tankers to many years and could not keep
of the Danish Shipowners resume sailing, so that the fleet at its present level.

Association, has announced. Denmark's only lay-ups at
This will enable shipping to present are some car terries.

The weak freight market from 1975 to 1978 had cut into rise in 1979 to about Kr 10bn and specialised tonnage.
(£847m) from Kr 8.8bn in 1978. The firm freight market

retain its place as Denmark's and older dry cargo vessels, Mr. owners' reserves, so that many third largest export industry. Lauritien added. smaller owners would have to last year was favourable in But the merchant marine sell out unless rising market many respects for Danish ship, would show a slight decline for demand affected their vessels ping, since freight rates showed the first time in many years. Reuter

U.S. TRADE DEFICIT WITH JAPAN

### Putting the blame on industry

BY IAN HARGREAVES IN NEW YORK

THE SHORTCOMINGS of the U.S. manufacturing industry are more to blame than Japanese trading restrictions for the estimated \$9bn trade deficit with Japan.

This is the general conclusion of an internal U.S. Government report by the office of the Comptroller General.

Prepared as background material for congressional discussions on U.S. trade policy with Japan, it has been completed at a time when there is growing pressure in Washington for political action to stem the flow of several key Japanese exports, including cars and steel

But the report offers little ammunition for political groups which seek to portray Japanese trading practices as unfair.

Only in the case of the telecommunications industry does the study conclude that significant tariff or non-tariff barriers exist as a block against the progress of U.S. exports to

Among the shortcomings of

the U.S. approach listed are: • Superior Japanese industrial investment. Between 1970 and 1978 Japan's ratio of gross fixed investment (excluding bonsing) was double that of the U.S.

Japan has used industrial planning to promote strong industries, whereas U.S. Government policy has concentrated. ernment policy has concentrated on protecting weak industries Japan's selective aid for key sectors through fiscal henefits is helping the Japanese computer industry to emerge as a

world force These weaknesses, the report points out, have led to a decline in U.S. export performance generally in the last 10 years, during which the country's

fallen from 18 per cent to 142" Japanese

. This loss has been spread 1970 to 1977 output per hour on telecommunications trade by grew by only 2.3 per cent in the end of this year, the U.S., compared with 4.2 per By contrast, the report gives cent in Japan and 5.7 per cent only limited support to one of in West Germany. Only the UK did worse than the U.S. with a 2.2 per cent growth figure. Turning to case studies of

The U.S. is planning to send. Mr. Robert Hormats, Deputy International Trade Negetiator, to Tekyo soon to work with Japanese Government nfficials in an attempt to head off friction in bilateral trade relations, the Japanese Foreign Ministry said yesterday. Mr. Hormats is to conter with Japanese officials on problems arising from the increase in Japan's exports of cars and steel products to the U.S. the Ministry added.

particular industries, the report find that, only in the telecom munications business is Japan still pursuing a clearly obstructive course in dealing with would-be imposters.

Mest of the blame for this situation is attached to Nippon Telephone and Telegraph, the public corporation which regulates access, to the Japanese telecommunications market and which, in practice, the report says, ensures that virtually allcontracts go to a select family of dementic companies. Imports have been restricted

share of free world exports has to only 2:7 per cent of the market in 1977 and the report sees. Little immediate prospect across all areas of manufacture of an improvement in spite of ing and is related to declining a U.S. Japanese agreement to productivity. In the period: negotiate a new understanding

> By contrast, the report gives only limited support to one of the most vigorously fought cases of a U.S. manufacturer seeking to counter Japanese competition, that of the television manufacturer, Zenith.

Zenith has argued strongly that its efforts to penetrate the Japanese market at a time when Japanese exporters were savaging the U.S. Colour television market were blocked by systematic official and unofficial harriers co-ordinated

Government officials. These factors, the report acknowledges, have made the export of televisions to Japan more difficult. But it says that virtually all the tariff and nontariff import approval problems significant in the 1960s have heen dismantled. It also notes the slowness of the U.S. response to Japanese competition in this field.

In the motor industry the report suggests more could be done to remove petty product specification requirements for imports into Japanese foreign investment rules has also permitted the major U.S. motor companies to take direct stakes in Japanese motor companies.

United States Japan Trade Issues and Problems, U.S. General Accounting. Distribution Section, Room 1518, 441 G Street NW, Washington, D.C. 20548.

### Swiss machine sales increase

BY JOHN WICKS IN ZURICH

SWISS manufacturers weaving machinery have been able to consolidate their position in world markets again, with a share of nearly 50 per cept of total world exports.

This is reported in a study This is reported in a study the industrialised countries of published by Union Bank of Europe, though manufacturers Switzerland. The improvement recorded

for the sector in 1979, due partly to what is described as "extremely successful" parti-cipation at the International

(ITMA) in Hanover last October, followed a period in which Swiss market share had

were able to retain their strong market position in the U.S.

Weaving machines remained

Demand from developing countries, with the exception of Egypt, remained "modest,"

of Textile Machinery exhibition exchange rate and the rise in heen (1TMA) in Hanover last demand, there was no further deterioration in profits in 1979. Price pressure eased somebeen lost to foreign competitors. what, and new products with a Major markets for Swiss good cost-performance ratio

were able to be sold at higher

year. However, since prices will project managers. he able to he raised only gradually, no marked improve- three months and

#### \$100m cement plant for UAE By Our World Trade Staff

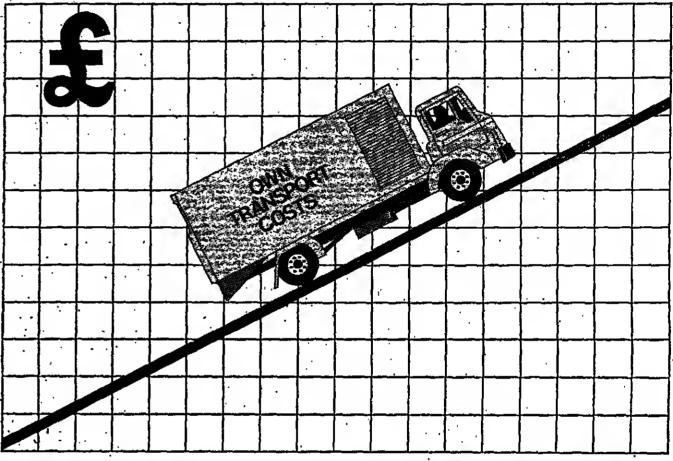
THE INTERNATIONAL Re

sources and Figance Bank has completed arrangements for the floancing, construction and management of a \$100m (£45m) cement plant for the Emirate of

were able to be sold at higher prices.

Orders on hand at the end of 1979 are said by the bank to promise full capacity use this Raiser Engineers of the U.S. as

Coostruction is to begin in three months and is scheduled Due to the stable Swiss franc ment in profitability is expected. to be completed in spring, 1983.



## There has to be a better way.

Fleet delivery costs are rising faster than ever. Fuel, maintenance. depreciation, tax, insurance, replacement ..... it's really an uphill struggle just to keep a truck. And you certainly can't afford to misuse it by carrying only a couple of packages at a time. If you do, the costs become intolerable.

Isn't it time you found a better

C&D-Collection & Delivery The Rail Express Parcels C&D service is countrywide, very reliable | Parcels Manager, Rail Express Parcels, and, yes, economical too.

We're not pretending that our costs haven't gone up. Just suggesting that they probably haven't gone up anywhere near as much as yours.

Which is why our C&D parcels service could save you a great deal of money and a lot of worry.

the coupon and send it to the Chief Room 5, Melbury House, Melbury Terrace, London NW1 6JU.

For more information, simply cut out

### Door to Door

A Rail Express Parcels Service =



Work it out. The vital part of your communication with the rest of the world is the distance from 'goods outward' to the transport networks.

Look at Newport No site in Newport is more than 10 minutes from motorway, railhead (125 to Paddington) or dockside.

The airport is 30 minutes down the road. We've industrial sites large and small for immediate development.

Our labour relations are excellent. Many household names are already profitably based here.

Backed by the sort of Local Authority support and Central Government financing you'd expect. Enjoying the living environment that you wouldn't.

For full details - fast - contact Steve Wehrle (Dept. F.T.) The Civic Centre, Newport, Gwent. Telephone Newport (0633) 65491.

The 10 minutes from anywhere town.



two of the fundamental pro- since licences were first allo- by the industry in general, some posals in the Government's cated in 1964. plans for the next round of

Department officials that there are too few blocks on offer to maintain oil self-sufficiency into the 1990s. They bave also critito companies bidding cash for exploration and appraisal wells some of the exploration licences.

On the other band the industry bas welcomed Government inviting cash bids for some of proposals which would enable the most keenly sought-after related prices for newly discompanies to apply for blocks blocks. These blocks would still of their own choice. This could be allocated at the discretion be an innovative feature of tha of Ministers, as they are at seventh round of offshore dicences which are to be awarded later this year.

The industry's views have been put to the Energy Department by tha UK Offshore representing 33 designa operators of UK oil licences. designated · A more detailed response to the Government's seventh round plans, announced a month ago, is to be submitted by the association later this week.

no public statement about its basis of expertise, past record, of smaller licences—often jost views, it is known that com- financial standing, drilling proare particularly con- posals, national status and so about the size of the forth. round, about 70 blocks which

OIL companies have attacked makes it one of the smallest own-blocks bas been welcomed The industry argues that there

support betwee 60 and 95 ex-They bave told Energy ploration wells a year. It claims be in the more mature oiltain oil self-sufficiency through northern North Sea. the 1990s. In recent years the industry has fallen short of this drilling target; last year only 62 were drilled.

Companies are also uneasy aboutt he Government's idea of be allocated at the discretion present.

The industry maintains it would be unfair and unduly complicated to mix cash premiums with a discretionary system. For instance, how would the Govern-Association meot balance low cash bid from organisation a British oil consortium against a bigh bid from an overseas

In its detailed submission UKOOA will probably argue that the Government should either adopt a strict auction systemas tried experimentally in the early 1970s—or keep the purely fully.
discretionary method whereby They are also concerned that Although UKOOA has made applications are viewed on the

While the idea of choose-your- oil reserves.

companies want the area of these blocks to be extended. At Sea oil exploration should be sufficient licences to present the Government is proposing that these blocks will

> this is the level needed to main- producing region of the UKOOA is expected to call for this area to be extended to the southern part of the North Sea - the location of Britain's main natural gas fields. It is expected that the Government will eocourage British Gas Corporation to pay full oil-

covered natural gas (as opposed to the low prices now being paid for Southern Basin gas). As a result, companies feel there will be sound commercial reasons for exploring further in the gasproducing region. However, the industry is worried about the rules on

surrender of licensed areas. At present\_companies must return to the Government a substantial proportion of their licensed area half to two-thirds - after a period of six or seven years. Companies argue that in frontier areas the period is not appraise drilling concessions

the trend towards the allocation a single block, or even part block-will force them to sur-

### Paisley blames Britain for 'poor security' in Ulster

BY STEWART DALBY IN BELFAST

tional conference on Northern disputable evidence that the Treland, aimed at restoring representatives, got off to a slow start yesterday amid protests by Unionist politicians about the security situation.

The conference attended by political parties and chalred by things of the IRA." Mr. Humphrey Atkins, the Secretary of State, began by discussing procedural matters in that three Ulster Defence cluding setting up the diary for Regiment men were killed wblle when delegates could attend. Some participants are Euro-pean Parliament Members, or Westminster MPs-and in one case both. It seems the con-

erence will meet for two or hree days each week, and could last for months.

with little legislative power but protest executive authority. The first three-hour formal session of talks was preceded by a flerce statement from the main Union ist politiclan attend-

THE GOVERNMENT'S constitu- week had shown there was un- constable.

three of the four main Ulster methods against the butchering

the morning after it was learned on patrol in the border district near Newry. Their killings brought the total death toll in Ulster over 10 years of trouble to 2,001.

There is no firm evidence to suggest that the killings were timed by the Provisional IRA to Before it is the Government coincide with the start of the

> The U DR, which has both full-time and part-time soldiers, is almost completely composed

great issue of security at the conference, be said, since that British Government was not dealing effectively enough with the security problem. was not what the conference was concerned with. But he the pressure on those respon-would table a proposal about sible for security to bring in security. He expected it to be effective and penetrating ruled out of order, just as he penetrating ruled out of order, just as he butchering expected proposals on Irish unity by the main Catholic the Social Democratic Mr. Paisley's statement came Lahour Party, to be ruled out of order

> On the aims of the conference. Mr. Paisley sald that it was not reasonable to expect any kind of power-sharing or any discussion of Irish unity His brightest scenario was that by the autumn there could be locally elected devolved

He did not envisage participa White Paper which sets out conference. Mr. Paisley, how- tion by the Catholic minority in theoretical models for political ever, as the self-proclaimed this Government that is power-progress ranging from the old leader of Northern Ireland's sharing. But the White Paper contained several proposals for fully devolved parliament at Protestants, was bound to use contained several proposals for Stormont to a system of councils the occasion to make a strong the views of the minority to be accommodated.

of the conference how Mr. John Hume, the SDLP leader, will be of Northern Ireland Protestants. able to reconcile his party's Mr. Paisley has requested desire both for power sharing ing, the Rev. Ian Paisley, meetings with the Secretary of and discussion of the Irish leader of the Democratic State, the general officer com-dimension with Mr. Paisley's Unionist Party. He said last manding, and the chief statements.

### in home 🕏 loan rate unlikely

BY MICHAEL CASSELL

AN EARLY fall in the new 15 per cent mortgage rate seems unlikely and any reduction, when it comes, might not fully reflect the decline in the general level of interest rates, according to Mr. Leonard Williams, chairman of the Building Societies Association.

Writing in The Building Societies' Gazette, Mr. Williams holds ont little bope of any short-term fall in general interest rates and warns that once they do begin to drop the societies " will need to ensure they adopt interest rate structures which will enable them more effectively to meet the growing demand for mortgage finance than they did throughout most of

His comments represent another warning that societies might use the next period of falling interest rates to establish a fresh approach to their interest rate policies.

The plan centres on the principle af injecting greater stability into the mortgage rate while allowing investors' rates to move closely in line with competitive interest

If interest rates drop significantly, building society investors rates will eventu-ally follow, although with a higher competitive edge over other deposit taking institutions. Such a move would, it is hoped, increase the supply of funds for lending. The scope far reducing the mortgage -rate would consequently be limited and could be less marked than on the investors' side. Societies would eventually bope to maintain a higher bome loan rate in return for a less volatile ontlook for borrowers. It could mean that interest rates generally next rose, borrowers would not face higher repayments. .

Mr. Williams' comments come ten days before the **Building Societies Association** announces the results of a study to establish what alternative sources of funds for mortgages will be required—if needed.

The general conclusion appears to be that the retail savings market will continue as the societies' principal sonrce of money and that more . competitive interest rates and a wider range of savings options can help tap extra funds from other sources.

The raising of limited volumes of finance from the wholesale money markets bas not, however, been ruled out, although it seems clear that anw significant move in this direction would require acceptance of the "more expensive mortgage money policy now being discussed.

### Early fall THE TROUBLED PORT THAT FACES A CRITICAL VOTE Milford Docks shareholders meet to debate 'ginger group' bid

BY WILLIAM HALL AND CHRISTINE MOIR

LORD NELSON once described Milford Haven as the finest deepwater harbour in Europe. Milford Docks Company sharebolders will, approximately enough, be debating their com-pany's future next Friday morning in the Lord Nelson Hatel in the harbour. Despite its undoubted natural advantage, Milford Haven has

never lived up to the great future predicted for it. Friday's meeting will see yet another band of dissident shareholders, led by Scanoil, attempt to put hack on the map one of the country's smallest and doziest

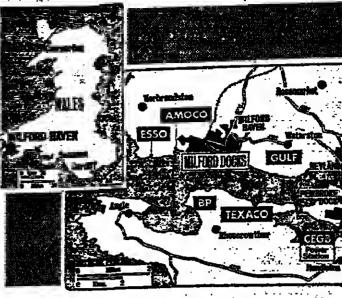
In the last century, with the growth of transatlantic passenger traffic, Milford was seen as an ideal European terminus for the great ocean liners. The Milford Docks Company was established by special Act of Parliament in 1874 to capture passenger traffic from places such as Liverpool and Southampton, a dream which continued into the 1950s.

However, like so many later schemes, this came to nothing. Instead, Milford Docks has been a boardroom battleground for as long as anyone can care to

In 1954, the controversial World War II bero Commander Bohhy Bristowa won control of the company. He announced a series of ambitious plans to expand Milford, only to be scuppered at the last moment by the big oil companies who moved in and set up their own deepwater oil terminals on the other side of the barbour.

By the late 1950s sbareholders were restive again, and Sir Julian Hodge was pressing for answers as to why the company had stopped paying

Chairmen came and went, interest return on total capital companies feature in the ginger hid.



but Milford Docks only slid deeper into the red. In 1962 employed in 1978 amounted to 14.3 per cent. Milford Docks shares have

Mr. Charles Smith, the present chairman, called a special meetrisen from a low of 11p in 1971 to 177p, a 50p rise from the year's low, but bave now fallen ing to dislodge the board on the grounds that "valuable assets were not being used to their best back from the peak of 214p. advantage." He succeeded in reforming the board, and plans But now another ginger group has sprung up disappointed were made to turn the dock into like Mr. Smith's, with the an iron ore terminal. Unforreturn on assets and seeking a boardroom reconstruction.

It consists of 24 shareholders who between them nwn 27 per cent of the company. The leader is Scanoil, a private company controlled by Mr. Richard Eldridge, a financier formerly with Slater Walker, the col-lapsed Eldrdige Stableford Group and Mr. Dennis Barkway's Energy Finance and General Investments.

Hasty moves

The connection with EFG is

group. Other members include Mr. Stephen Maltz, who ran Tower Assets before Tremletts unhappily took it over, and Mr. Cecil Benzecty, a former director of Jessel Securities.

If the group gets its three nominees on the Board it will still be outvoted 43, but only because of some hasty man-oeuvring by Mr. Smith. He has recently appointed as a non-executive director Mr. David Blick, who runs a small fringe finance enterprise which forms part of the U.S. owned Grey-

hound Guaranty group. The ginger group is persistently vague about its intentious. major shareholder, he simply vants to be able to exert some influence over any future deve-

And that is where the excitement comes in. Millord Decks owns two blocks of land behind the port. One, of 17 acres, once had planning permission for light industrial use, although that bas now expired. The

other, of 24 acres, is farmland. Both are probably undervalued. Now Mr. Smith has some far from concrete bopes that part could be used to build, say, skyships. But exploiting the property potential would be obstacle-ridden.

Once the boardroom position is sorted out Mr. Smith wants to ask shareholders for a cash injection to build wider lock gates, new warehouses and better access roads. Whether that goes ahead will depend on Friday's meeting.

The alternative is to let a trio

of two accountants and an engineer-who can lay claim to experience in the shipping and energy fields acquire substantial control over the company's Several of its nominee future without making a formal

### Benn alleges Think Tank subversion

BY JOHN HUNT, PARLIAMENTARY CORRESPONDENT

were engaged in "organised subversion" against Ministers who stood up to the Civil Ser-vice was made last night by Mr. Anthony Wedgwood Benn, leading Labour Left-winger.

should be abolished or put under ministerial control, like every other department. Secretary in the Labour Government, also attacked the semor civil servants. He claimed their power was too great, and

Department of Energy important information was withheld The five examples cited - all concerned with the nuclear

that during his term at the

ment Think Tank members at a Russian nuclear weapons views of Energy Department, were engaged in "organised factory in the 1950s, the pur officials. This was circulated in chase of uranium from South Whitehall and the CPRS staff Africa, the alleged hijacking of rang up Ministers' private offices a shipload of uranium, the leak. of radioactive effluent inside American reactor. the Windscale nuclear factory, Mr. Benn said on Granada and the national debate on was a classic example of the TV's World in Action, the Think nuclear reactor choice.

vetoed that plan and the then chairman asked for a receiver

That was too much for Mr.

Smith. Yet another board was

appointed in 1966, four mem-

company. Under Mr. Smith's leadership

Milford Docks has moved back

into the black (1978 pre-tax

profits £241,039), paid off the

arrears of interest on the deben-ture stock and started paying a

dividend again in 1976 for the first time for 22 years. Its pre-

hers of which are still with the.

to be called in.

adopting the British AGR system His own political advisers advocating his views but immediately ran into difficulties with permanent officials. It was difficult to get an official even to assist his advisers in preparing

in, said Mr. Benn, and produced country could be taken over by

AN ALLEGATION that Govern- industry - were an explosion its own paper; incorporating the to get them to support the

According to Mr. Benn, this civil service trying to bypass a Tank—officially known as the As Energy Secretary, Mr. Minister. Later a member of Central Policy Review Staff— Benn said, be had favoured the CPRS, whom he met at a party, described its way of workfor nuclear power stations, but ing as "organised subversion." his "top brass" wanted a crash Mr. Benn maintained that a Mr. Benn maintained that a Mr. Benn, who was Industry programme based on the Ameri- Minister who stood up to the "huge machinery" of Whitehall tried to work on a paper brought to bear on him. It would try to "delay what he wants to do, isolate him so he doesn't know, or contain him and bring him back into line."

The Civil Service represented the paper.

a "state within a state" and
Tha Think Tank then stepped there was a danger that the "state within a state" and

a bureaucracy operating within a cloak of secrecy. Unless we faced up to it, we could move towards a "commission" type of Government, where the real power rested with permanent officials.

Mr. Benn alleged that American intelligence had informed the Atomic Energy Authority of the catastrophe at a Soviet nuclear power plant near Kyshtym, but he was not informed either as Minister of Technology in 1966 or Energy Secretary later.

· Nor was be told of the dis appearance of 200 tonnes of uranium from e ship bound for the Windscale leak was in the press. "I- was furious when I discovered this had been going on without informing me,"

Lombard, Page 16

### **Equities** 'cheap'

By Barry Riley BRITISH EQUITIES are com-

monly priced at between a third and two-thirds of their theoretical values, according to a new study produced hy a leading stockbroking firm, de Zoete and Bevan. The brokers have introduced a new share valuation system based upon current cost accounting. "In the short term, it is

possible that the uncertainties of the aconomic situation will prevent abare prices rising to a more realistic level," says de called on schools to ensure that English, said the Government's Zoete, "but it is probable that all children spent at least 10 the truth underlying the valucation principles in this model sawill become more fully appre-A similar amount of time throughout compulsory school-(probably in the early, 1980s)."

### CBI wants liability law on U.S. lines

BY DAVID CHURCHILL, CONSUMER AFFAIRS CORRESPONDENT

Ministers urge schools

THE GOVERNMENT yesterday ing should also be devoted to

system.

to use basic curricula

should follow the new laws heing considered in the U.S., the Confederation of British

per cent of their time studying mathematics until they reach

the minimum leaving age of 16.

Portfolio

Management

for private

and institutional

investors

BERLINER HANGELS-UND FRANKFURTER BANK

125 YEARS OF MERCHANT BANKING

HEAD OFFICE: BOCKENHEIMER LANDSTR. 10 - 6 FRANKFURT 1

TELEPHONE: (0611) 7181 - TELEX: 411026 - LONDON REP. OFFICE-

25 BIRCHIN LANE - LONDON ECGY 90J - TELEPHONE: 01-6239715.

MEMBER OF THE INTER-ALPHA GROUP OF BANKS

U.K MEMBER: WILLIAMS & GLYN'S BANK

could possibly foresee."
Under the proposed EEC directive manufacturers would Industry said yesterday.

In a letter to Mrs. Sally caused by faulty products, in a very dangerous way."

Oppenbeim, Consumer Affairs

Minister, the CBI says It is conin principla and likely to ba should follow the new "model"

suggestions for a

framework" for the school

starting discussions with local authorities and other interested

groups with a view to gaining early agreement on the teaching of a core of basic subjects throughout the State education

The suggestions, published as

the preliminary agenda for these talks, also stated that

every norrad pupil should study

science and at least one foreign

Science should begin with a

proad course in primary school,

and develop into specialised or

integrated studies at the

secondary stage, where scien-tific studies should occupy

etween 10 and 20 per cent of

the school time of pupils aged

"In general pupils should

have a minimum of two, and

preferably three years of

foreign language teaching, amounting to about 10 per cent

of school time during these

In addition, the suggestions

call for greater emphasis on

teaching children about the

economy and on preparing them

for working life. Careers teach-

ing should begin not later than

the third year at secondary

school, and have a specific place

in the timetable.

from 11-plus to 16.

Education Ministers

import social policy on compen-

PROPOSED EEC legislation cerned that "the EEC is still damaging in practice to the U.S. legislation which holds on increasing manufacturers' proposing to bold manuinterests of both consumers and manufacturers liable for proliability for faulty products facturers responsible for defects producers, particularly small duct injuries only if they can should follow the new laws ducer liable for something over "This 'as-you-were' move has which be has no control is to been designed by the Americans to escape from the trap they bave fallen into through earlier legislation providing for liability irrespective of fault," says the

### Call for more NHS aid

THE GOVERNMENT sup-

ports the idea that tha National Health Service should receive more financial help in the form of voluntary contributions from the public, Mr. Patrick Jenkin, Secretary of State for Social Security, Said yesterday.

The present voluntary contribution to the NHS was modest—perhaps about £25m in all, including income from trust funds held by health

authorities. Money for much-needed services was short, which meant that necessary immeant that necessary improvements could not be paid for. There was therefore a case for giving health authorities the power to participate in fund raising. Enabling them to appeal for funds would be an extension of their existing rights to accept gifts and administer trusts.

### £6.23m loan for oil port

BY MARTIN DICKSON

THE EUROPEAN Investment Bank has lent £6.23m to the Shetland Islands Council for continued development of the oil port at Sullom Voe to handle supplies from North

The loan, for 10 years at 11.55 per cent, will go towards the construction of a fourth crude oil jetty for tankers of up to 300,000 tonnes DWT, a cargo jetty, a tug harbour and various associated facilities.

The EIB, the EEC's long-term finance institution, lent £11.07m to the same project last year and £16.9m in 1975 for an earlier phase of

The bank says that apart from beloing to reduce the EEC's dependence on oil im-ports, the port at Sulton Vne benefits Community regional development. It reckous that around 650 jobs should be created locally by the port

### Loan interest rates cut

LOAN INTEREST RATES UP The interest rates for loans under section 7 of the Industry Act 1972 were reduced with effect from yesterday. The concessionary rate of interest on loans for employment creating projects (Cate-

gory A) is reduced from 14 per cent to 131 per cent. The broadly commercial " rate of interest on loans for modernisation projects not providing additional employment (Category B) is red from 17 per cent to 161 per

### **Motorists** 'still have a choice'

Industry Correspondent

SIR MICHAEL EDWARDES' suggestion that it was "nnpatriotic" for British businessmen to buy foreign cars was vesterday dismissed as public relations stunt " by Mr. John Wagner, managing director of the company which imports BMW cars to the UK.

"Sir Michael knows the public only buys cars they want to buy. The public still enjoys freedom of choice and the public reacts to skilled marketing," said Mr. He pointed out that the eventual recovery of BL was essential to Britain. "If BL fails

would damage the UK economy and hit the prospects of all importers." Mr. Wagner is chief executive of BMW (GB), a company set up by Bayerische Motoren Werke ni West Germany to take

over the import of its vehicles to the UK. Previously the concession was held by the inter-national trading group Tozer Kemsley and Milbourn (Holdings). In 1979 some 14,000 new BMW

cars were registered in the UK compared with 10,506 the previous year. Mr. Wagner said the total UK market was expected to drop steeply in 1980; but BMW still expected to sell just as many cars. This would push up its mar-

ket share from 0.8 to around 1 per cent. - .... At the same time the relatively high level of the more profitable large cars, the sevenseries, was expected to continue. In the UK last year the sevenseries accounted for 24 per cent

of overall BMW car sales com-

pared with 10 per cent in the West German market And, despite pessimistic fore-casts for 1980, "there will still be a market in the UK for ex-pensive cars. We know that

### Bad year for British tourist industry

BY ARTHUR SANDLES

had a bad year in 1979. An English Tourist Board report confirms that most hotels did badly, in traffic terms if not in profitability, and in the peak summer months, London's cheaper hotels had a near cheaper notes had a hear disastrous time, with business down by nearly a quarter.

The English Tourist Board blames the fuel crisis, bad weather and strikes for the

occupancies in the first eight months of last year, based on figures prepared by A. C. Niel-sen, shows that there was an average drop of 3 percentage points in English botel occu-

THE BRITISH tourist industry July saw business fall off by 5 and 6 percentage points respectively to 54 per cent and 68 per cent occupancy. Fortunately for hoteliers, things improved in August when business was back to 1978 levels.

Country hotels had a bad July and August, for in both months they were 6 percentage points down on the levels of the preyious summer. In rural areas it was the expensive hotels which suffered quite the reverse of the position in London and An ETB report on hotel the seaside resorts. The rural hotels ended the eight-month period with business down from a normal 43 per cent occupancy to 40 per cent. But the real problem area

pancy during this period when seems to have been London. The compared with the same months average London hotal was only a year earlier (from 48 per cent 54 pe reent full between January b 45 per cent).

In dispute this overall figure per cent in the same period of disguises some alarmingly sparp

1978. Cheaper botels in London. drops in business in certain which were 87 per cent full in sectors of the hotel business. August 1978, were only 63 per sectors of the hotel business. August 1978, were only 63 per Seaside hotels in June and cent full last August,

### Meacher seeks probe

BY JOHN HUNT, PARLIAMENTARY CORRESPONDENT DEMANDS FOR an inquiry into stituency covers the area.

Mr. Michael Meacher, Labour working practices of the DPP MP for Oldham West, a leading which led to this decision, figure in the campaign, has He will also press for a Select figure in the campaign has written to Mr. William White

in not one-case did the board present watchdog" c recommend disciplinary charges: of the Ombudsman. Mr. Meacher is concerned Liberal MPs support the about the case of James Kelly, demands for an inquiry and

the circumstances surrounding. The Director of Public the recent deaths of people in Prosecutions has said there will police custody are likely to be no prosecution in the Kelly grow when MPs return to West- case.

Mext week Mr. Meacher will

Committee to be set up to review law, the Home Secretary saying cases where a decision by the 2230 allegations of assault DPP not to prosecute leads to were submitted to the police widespread public concern complaints board in 1978. But This would be similar to the watchdog " committee

be a market in the UK for expensive cars. We know that people who are successful are reluctant to lower their standards.

and the case of James Neily, demands for an inquiry and who died in a police cell on some Conservatives are sympators who are successful are reluctant to lower their standards.

Harold Wilson, the former and Civil Liberties Groups of Prime Minister, whose constitute Parliamentary Labour Party.

### Electric power worst, say users

By David Churchill.

mbers in the part of the part

here the color of load below to fire the color of load to fire the color of lo

Smith R

dire for as

ord: Made

ं ति कि कि विदे

con let class

SIO

cherating we reny. Unless

m.55100 1731

in the z

with percent

alleged t

Atomic Fac

e ceasurin

tur he war

er og Minist.

· : c: b::

W 10355

n into breed

her terst here!

of here to

ritish

with the second

The bod a back of the property of the property

ELECTRICITY IS considered the most expensive and least satisfactory form of power according to a new survey of electricity published today.

The survey, carried out by the Eisefricity Consumers' Council, also found that almost four out of every 10 households had done nothing owards energy conservation in the home.

Some 57 per cent of the 2,000 consumers in the sample survey considered that electricity was an expensive fuel, and they rated it the most tostly of all fuels. Gas was considered the most mical of all the major fuels. Just over three quarters of consumers said that their they expected, but only 58 per cent thought the bills were reasonable.

The survey suggests that heavily on electricity for domestic heating are the least happy with electricity as a form of fuel. They tend to use their heating for a shorter time than those with other fuels.

"This finding is particular concern because many elderly people are in accommodation with electric heating, and for them keeping warm is the first priority, said Mr. Michael Barnes. chairman of the council,

### Coal work worth £400m a year to contractors

By Michael Cassell -

THE CIVIL engineering industry can look forward to about 5400m worth of work a year from the coal industry no until the end of this century, says a report from the Civit Engineering Economic Development Com-

In its first market brief, the EDC says deep mining could after up to £150m of work a year, with the balance involving openciat operations. The only factor which might jeopardise the otulook would be a major shift in competive-

The biggest outling for contractors in infining, is on plant, with walking drag-lines costing up to £9m. The National Coal Board is prepared to buy very large items The two firms charged are Mr. Kennedy five charges of against Cellofoam and five and lease them to contractors. (Yorkshire) of falsifying accounts, and Mrs. against Kagan Textiles.

### Lighterage takeover will cost 100 jobs

AROUND 100 lightermen and associated staff on the River Thames are being dismissed following the acquisition of Thames and General Lighterage by Ocean Transport and Trading. The takeover will result in: Ocean Transport's two lighterage companies, Mercantile and Cory, becoming the biggest-operators on the Thames and they will handle more than half of all the traffic

Ocean Transport is paying tround £500,000 for Thames and seneral which is roughly the same size as Mercantile Lighter age and operates 286 craft. Talks on the take-over began last year following Thames and General's decision to withdraw from general cargo and refuse lighterage operations. The company had been losing money Ocean Transport's lighterage companies are taking on 135 lightermen and a dozen salaried staff. It is understood that 70 lightermen are being returned to the National Dock Labour Board and 29 staff and employees of Brentford Barge Works have been made redundant.



The takeover of Thames and General is the latest in a series mergers and closures of lighterage companies that have taken place as river traffic on the Thames bas declined. In the early 1960s more than 13m tons of traffic was carried by Thames' lighters and there were more than 100 members of The Association of Master Lighter Owners and Bargemen. 400,000 tons a year, employs 100

now shrunk to a dozen and the tonnage carried has fallen to 2.8m where it seems to have stabilised.

In the 1960's between 3,000 and 4,000 men were employed in the Thames' lighterage business and there were about 4,600 barges. The number of registered lightermen has now failen to 687 at the beginning of 1980 (against 799 a year ago) and the number of barges is down to 1.777.

Just over a year ago Clements Tough closed down, and last summer Darling Brothers wound up the lighterage side of its business. Thames and General carried about 550,000 tons of cargo a year and this will now be carried by Cory and Mercan-tile which together handle oround 700,000 tons a year. The combined group will now

operate 600 lighters and 30 tugs. The only other big lighterage company now operating on the Thames is Humphery and Grey, part of the Bays Wharf group The latter carries around number of companies has staff and 120 barges.

### Decline in output soon

BY OUR ECONOMICS CORRESPONDENT

ALL MAJOR industrial sectors apart from energy are likely to experience a fall in ontput this year with particularly sharp declines in motor vehicles, engineering and shipbuilding. This is suggested by Cambridge Econometrics in its latest nedium-term economic analysis. Cambridge Econometrics is the commercial side of the Cambridge Growth Project, a university research study. This bas developed one of the largest forecasting models of the economy now available, looking in detail at 40 industrial sectors.

in most cases by a much smaler percentage than this year. By 1982, actual falla in output are expected to be recorded by only half the industries covered, while the recovery should become fairly widespread in

Thereafter, the economy is tries declining throughout the period while the rest of the economy experiences moderate ft is completely separate from the New Cambridge group of economists led by Mr. Wynne

Total output, as measured by real Gross Domestic Product, is decade.

The latest forecasts suggest projected to decline by 1.2 per that 31 out of the 40 sectors will cent this year and to grow by contract again in 1981, although 0.2 and 0.5 per cent respectively ln 1981 and 1982.

Cambridge believes that the 1980s as o whole will show poor, but not catastrophic, growth perform-ances with GDP growing by 1.6 per cent a year. If the more stringent monetary policy now being pursued successfully expected to divide into two with moderates wage settlements, a hard core of problem industing growth of consumer prices would average 9.2 per cent between 1980 and 1990,

Unemployment, however, will be a major problem since it will exceed 2m for most of the

### Lady Kagan hearing starts

COURT COMMITTAL proceed- Raistrick near Halifax and Ginsburg three charges of ings involving tax trand charges. Kagan Textiles of Elland.

legan in Leeds yesterday against: With Lord Kagan, they are Lady Kagan and Kagan Textiles

Lady Kagan, the wife of life accused of conspiring to defraud face two charges each of falsify
neer Lord Kagan, and four the Inland Revenue.

face two charges each of falsifying accounts and Mr. Kagan one

Kennedy Ginsburg and his wife Mrs.

Ibolya Ginsburg.

of brohibited exporting. charges of falsifying accounts, against .. Mrs. Ginsburg,

Lady Kagan, Mr. Kagan, Mr., charge of falsifying accounts Lord Kagan was not in court and Mrs. Ginsburg and Mr. There are 20 charges which and is believed to be in Spain. Kennedy are charged with con- allege that offences were com-Reporting restrictions weren of spiring in the prohibited export mitted between June, 1974 and of denim cloth. December, 1978. Six charges Lady Kagan, Mr. and Mrs. are being brooght against Lord The defendants are Lady Lady Kagan, Mr. and Mrs. are being brought against Lord Margaret, Engan, Mr. Michael Ginsburg, Cellofoam, and Mr. Kagan, eight against Lady Kagan, her son, Mr. Raymond Kennedy are accused with Lord Kagao, four against Mr. Kagan, Mr. Ginsburg faces seven against Mr. Ginsburg, nine

### **Inquiry to** hear plea for more coal

By Martin Dickson, **Energy Correspondent** 

THE DEPARTMENT Energy is expected to provide National Coal Board's controversial plan to mine in Leicestersbire's Vale Belvoir when the public inquiry into the scheme resumes today after a three-week Christmas break.

The Department believes failure to develop Britain's add substantially to future halance of payments burdens and will substantially reduce the country's security of

energy supplies.

The Energy Department will be the second party to give evidence before the longrunning inquiry. All 28 sessions held before Christ-All 28 mas were devoted to the NCB's presentation of its involving case, involving cross-examination of more than 30 Coal Board witness

The NCB wants to sink three pits in the Vale of Belyoir area and extract 7.2m tennes of coal a year between 1990 and 2060. It argues that exploitation of the Belvoir deposits-one of Western Europe's largest untouched coal reserves-is

But all or parts of the NCB'a application are being opposed by a wide variety of interest groups, including interest groups, including residents of the attractive Vale and Leicestershire and Nottinghamshire Conneils. With more than 70 parties listed to give evidence, the inquiry seem likely to last at least until

vital

The Energy Department is scheduled to be followed by the Agriculture Ministry which has objected to parts of the NCB application which propose to use agricultural land for on-site tipping But it will be hard to

gauge the full strength of the case against Belvoir for several weeks, since the most uncompromising opponents of the whole plan are still atheduled list of witnesses. The Department of Energy, which has already submitted documents to the inquiry on

Britain's future demands, believes UK demand for coal during the 1990s is likely to be at least at present levels and the chances are that the need to use coal will be rapidly rising at the end of the century. that major new development of productive capacity is needed just to maintain ont-

• NEWS ANALYSIS - OPENCAST MINERS STAGE ONE DAY STOPPAGES

### NCB's high-earning mines lose production

BY MARTIN DICKSON, ENERGY CORRESPONDENT

the least publicised, yet most year, for example, the NCB ging out the coal with mechani-profitable, branches of the made a £97.5m profit on open- cal shovels. British coal mining industry— cast sales, compared to a lossthe opencast sector.

Each of the stoppages is esting companies that include coal mated to have cost more than Wimpey, Taylor Woodrow and The 40,000 tonnes in lost production. Murphy Brothers less p

British coal mining industry— cast sales, compared to a loss— This is why, it is so profitable be openess sector. This is why, it is so profitable before regional grant — of to the Coal Board. Last year During November and early £91.9m on deep-mined coal. the NCB reported a cost per

panles which operate the mines. out to about 24 civil engineer. 85p a toune for deep mined

seems likely to be accepted. fract to cover inflation—and to contracts, especially with the if so, no one will breathe a restore the site when mining downturn in the road construction of relief than the is finished. The coal is detroin market. National Coal Board, for the livered to the NCB and is added. Some 60 per cent of opencast

A SERIES of one day strikes 9 per cent of the UK'a total coal deep mining because it is England power stations, includ- there are any statutory objec-

During November and early 121.9m on deep-mined coal.

December members of the Yet the NCB itself does not tonne of £18.12 for opencast, Transport and General Workers' run the opencast sector on a Union employed on opencast day to day basis. Although the sites staged four one-day stop pages after rejecting a pay offer decides what should be mined (which is generally high quality from the civil engineering com- where, it contracts the mining coal), compared to a loss of parties which operate the mines.

The opencast business may be Murphy Brothers less profitable for the engineer-The companies undertake to ing companies which work the Just before Christmas, how. The companies undertake to ing companies which work the ever, union negotiators and produce the coal for a specified. 56 sites currently in production, employers reached an agree price per tonne—with escalation but there is nonetheless said ment on a new offer which clauses written into the con. to be strong competition to get

opencast sector plays a vital role to the pool of deep-mined coal production is used in power in improving the NCB's finan- for marketing. Stations, often blended with cial performance, even though. Opencast mining has much lower quality coals from deep opencast mining provides just lower production costs than mines. A number of North production is used in power

has cast a spotlight on one of output. In the last financial essentially a question of dig- ing Wakefield, get more than tions to the plans from local 50 per cent of their needs from authorities or landowners.

Opencast sites, notably in South Wales, produce about half Britain's anthracite needs.

Production from sites is cur-rently running at around 13m tonnes a year, compared to 105m tonnes deep mined. The aim is to boost production to 15m tonnes a year as part of the industry's general expansion. The NCB estimotes this target will be reached in 1983two.years ahead of schedule.

The main brake on expansion is the long time it takes for the Board to obtain permission to work sites. Responsibility for approving or rejecting lts mining applications lies with the Energy Secretary, who has to set up a public inquiry if proved.

opencast sites.

The remaining opencast production is divided fairly evenly
controversial aspect of the industry. Critics argue that not sores during production and takes land out of farming, it also reduces the fertility of soil.

Scientific evidence suggests that productivity on restored land is lower-particularly in the first few years-but that reasonable levels cau gradually be restored if the land is properly managed.

The NCB, which gets the Ministry of Agriculture to manage the land for five years after restoration, also points out that opencast mining often takes place on the site of derelict deep mines. And the Board claims that when restoration work is completed the landscape is im-

### Confectionery chief at Cadbury Schweppes

director of the UK confectionery director of the UK confectionery retail division of Thomas Cook division of CADBURY Limited, has been appointed to SCHWEPPES. He succeeds the board. Mr. W. H. (Howard) Jones who Mr. W. H. (Howard) Jones who is retiring. For the past two years, Mr. Cadbury has been deputy chairman of the company's American region. He has been a member of the main board since 1974.

He joined Cadbury Brothers in 1964 and two years later became marketing sales and distribution

marketing sales and distribution director of Cadbury Fry Pty in South Africa. Mr. Cadbury returned to the UK in 1970 as sales and distribution director of sales and distribution director of chairman of Water Management-the confectionery division and Chemicals. Mr. Fred Essex, in subsequently became its market hillies with the restaudance

Mr. N. D. (Dominic) Cadbury been appointed to the board of and general manager, is has been appointed managing the THOMAS COOK GROUP. appointed managing director of the TK confectionery. Mr. Kevin Gavaghan, director, John Betts Refiners. Mr.

Mr. David J. Wills has been appointed director of CHARTERHOUSE DEVELOP-MENT, the development capital subsidiary of the Charterhouse

Mr. David Probert, who is group chief executive of W. ing Co. All are companie Canning, bas been appointed the CANNING GROUP. group, is appointed chairman of Applied Economics at the Polution Control and Water University of Dundee, bas been

director and general manager, is appointed managing director, and Mr. Roy Hurford and Mr. Alan Bevin, directors of Copal Foundries. Mr. John Davis is

appointed managing director of Electron Distribution, a new company formed to distribute electronic components. Mr. David Protheroe is appointed managing director of Holyhead Engineering Co. All are companies in

Professor Christopher Blake. PANY the Dundee-based superwho holds the Bonar Chair of Mr. Bernard Norman, group Management Engineering. Mr. appointed a non-executive managing director designate has Malcolm Day, previously director director of WM. LOW & COM-



market group. Professor Blake is also a director of the Alliance Trust group of investment com-

### Chairman at **ICI Paints**

Mr. R. C. Hampel, ICI's general manager, commercial, has been appointed chairman of ICI Paints Division from March 1. He succeeds Mr. D. H. Henderson whose appointement as an ICI director, from the same date, was announced recently. Mr. Hempel joined ICI in 1955 and held senior appointments in the UK and America before becoming general manager, commercial in

Sir John Hunt former Secretary to the Cabinet, will be joining the board of PRUDEN-TIAL CORPORATION and that of The Prudential Assurance Company the Corporation's principal operating subsidiary, from February 7.

Mr. Charles A. S. Crawley has

### Steel shipments halted as picketing intensifies

was tigbtened and extended yesterday as unions attempted particularly tough line. to reinforce the effects of the

Divisional and local strike committees in most areas decided pickets should try and halt movement of all steel to and from stockholders, regardless of whether it originated at for the Iron and Steel Trades the British Steel Corporation or the private sector. These decisions, which follow

a similar tactic employed in South Yorkshire last week, would intensity the effects of the dispute on customers although many stockholders still appear to be unaffected. There was also trouble on the picket lines when police intervened at the BSC Port Talbot works in South Wales after clashes between strikers wanting to go into work. Staff still working were escorted into

Steel-using customers. ticularly engineering companies, co-operation from lorry drivers tonne Norwegian ore carrier were picketed for the first time and dockers although in some the Skubo is trapped at the yesterday, principally in York- areas there were problems in Hunterston ore terminal.

PICKETING by steelworkers shire and South Wales where preventing the movement of strikers have been taking a privately manufactured steel.

to some Sheffield engineering companies were blocked and picketing was reported at Hoover and Metal Box plants in parts of Wales.

Confederation, the biggest steel union, said road hauliers who persistently cross picket lines refuse to load their lorries when the strike ends.

#### Co-operation

Solicitors acting for the Robert Frazer group, the largest independent steel stockholder in the north-east, bave written to the union's regional office in workers' corporation employees Middlesbrough requesting that although steel will be unloaded ing to go into work. Staff pickets be removed from its it will not be moved from the Hebburn premises. ISTC regional offices said

Supplies of industrial gases from region to region because of differing attitudes and variations in the numbers of men the union can muster.

This is particularly noticeable on the picketing of private In South Yorkshire organisers steel makers. In South Yorkshire, strike committees are picketing those, including Hadfield's and Arthur Lee with the intention of stopping all steel hove been told steelworkers will movements. In most other areas private manufacturers

operating normally. There, is still considerable picketing of ports, particularly on the east coast and including Kings Lynn, Boston and Whitby. There is only minor picketing at many major ports. because of assurances

port area. In Scotland, where picketing they were receiving almost total is still patchy, the 120,000-

### Shipbuilders 'faced with same problems as British Steel'

BY GARETH GRIFFITHS, LABOUR STAFF

BRITISH SHIPBUILDERS, be only a partial solution. The which starts its pay talks with mood in the yards was also the shipbuilding unions likely to change after the tomorrow fears it will find itself in similar trouble as the British said. Steel Corporation over pay. Mr. John Chalmers, moderate

general secretary of the Boilermakers Society, said yesterday that the position of the company was in some respects worse than that of

While there was "some room for manoeuvre" in the unions' claim, it was doubtful that the 80,000 shipyard workers would accept less than the inflation rate of 17% per cent. The unions had been aware that BS's financial position had been extremely tight since the middle of August and the industry bad to fight for every order it got. National union officials expect low offer tomorrow which will fall well short of the 171 per cept demand Mr. Chalmers said some money could be made

British Shipbuilders

nounced 6,000 redundancies last summer and there has been considerable resentment particularly in some of the Scottish yards. The order book in September stood at 76 ships, with 684,973 compensated gros registered tonnes. The corporation is

operating under very tight financial restraints. The Governallowed to lose £100m in this financial year and £90m in the year ending March, 1981. Although there has been a the last couple of months, BS officials are worried orders will now be adversely affected by the wheat sanctions against the

USSR which will hit bulk carrier demand. available on local self-financing BS officials are not optimistic terminal since the productivity deals but it could short local productivity deals began at the weekend.

providing an escape coute from their pay problem. The scheme agreed last March have already come into operation in some yards but are providing a maxi-

mum of £8 per week.
The Confederation of Shipbuilding and Engineering Workers Union has tabled a claim worth, it says, just over 20 per cent but which BS estimates at 30 per cent. In a letter to the CSEU last month, BS said it would be unable to make the kind of response the unions want. The claim would mean financial restraints. The Governminimum carnings going up ment has told it that at will be from £80 to £110 a week with proportionate increases for

 SCOTLAND'S main west coast container terminal at slight upturn in orders during Greenock will be at a standstill at least until Thursday because of a pay dispute involving 29 maintenance engineers and electricians. The Clyde Port Authority said five ships had so far been turned back from the

### Action over pay likely | Meccano sit-in in Civil Service union

BY PHILIP BASSETT, LABOUR STAFF

INDUSTRIAL ACTION over pay reasons for rejecting its claim.

Mr. Bill McCall, general secre-tary of the IPCS, which repre-sents professional and specialist 15.5-24.1 per cent. staff in the service described Under the award, the the result of the tribunal as a Principal Professional disaster for the Institution" in Technology (P and T) a circular to members.

The executive of the union yesterday discussed whether to stay in the service's pay research system, which determines the £5.739 to £6.000-£6.901; Grade level of pay increases for all III from £4.326.£4.863 to £5.176-600,000 white-collar civil servants by means of job-for-job £4.326 to £4.635-£5.253. comparisons with outside work given the arbitration tribunal's findings. Union officials are convinced

that because the award falls so far below the 36-47 per cent claim for the 40,000 technicians and 10,000 related staff, the chance of the Government avoiding industrial action in the civil Service over its April settlement this year is slim.

Industrial action in the starting and the Irish pound. agreed to go to arbitration over the third stage of a pay increase due last April. Although It was agreed at the

time that the tribunal's report Republic have already received would not be binding, the a 12 per cent payment.
traditionally moderate IPCS The four main Ulster banks
might feel reluctant to resume said they had made a 5 per cent industrial action over last year's single payment and an indepenclaim immediately, with this dent inquiry had recommended year's settlement date only a a further 4 per cent. But the few months away.

The union is particularly concerned that the tribunal gave no issued.

in the Civil Service this year The award, made on the cast-looks more likely since yester-day, when the executive of the QC, tribunal chairman, is Institution of Professional Civil closely in line with the Civil Servants considered the results Service Department's arguments of an arbitration award to 50,000 on technicians' pay, and will be technicians which gives in- a bitter personal blow to Mr. creases of 19-27 per cent. McCall. It gives an average of only 3 per cent above the department's original offer of

> Under the award, the pay of Technology (P and T) Officer rises from £7,448-£8,724 to £9,528-£11.021; P and T Grade 1 from £5,739-£7.064 to £7,313-£8.601;; Grade II from £4,869-£5.739 to £6.000-£6.901; Grade

Irish pound prompts dispute

THE IRISH Bank Officials Association last night instructed its 5.000 members in Ulster not to bandle transactions between Staff are seeking a lump sum Industrial action by the single payment — equal to 12 technicians last summer was per cent of salary — for the called off when the union extra work imposed by the break in parity between the currencies after Ireland's entry into the European monetary system. Bank staff in the Irish

office of Airfix A HANDFUL of workers from the doomed Meccano factory at Liverpool staged a sit-in at the London office of Airfix, the parent company, yesterday in protest at the Edge Lane plant's closure. Mr. Bernard Riley, engineer-ing workers' union convenor,

at London

said: "We felt it was time to escalate our action in an effort to get something done. Other action is planned for the rest of the week, but I can't say what at this stage." New talks between union

leaders and Airfix bosses are doe to take place on Thursday, Airfix closed the Meccano workers just 30 minutes notice—at the end of November. blaming losses of £4m, and union troubles, for the decision.

### Safety plan for home workers

PEOPLE employed at bome may aoon be forbidden to use dangerous materiala like asbestos and radioactive substances if proposals by the Health and Safety Commission are agreed.

The Commission envisages that firms putting jobs out to bome workers would send information on materials ov equipment used, to the local factory inspector. substances would be banned or require special permission.

The ban would not include self-employed craftsmen or people marketing their own pro-ducts.

### Airline's engineers ban overtime

offer was rejected and instruc-

tions for industrial action were

BY GARETH GRIFFITHS, LABOUR STAFF

MAINTENANCE engineers at but if the ban went aheed con- on greater working flexibility. British Airways are to start tingency plans to reduce the an overtime ban Thursday inconvenience to passengers which is likely to cause dis- would be brought into operaruption to flights at Heathrow. tion. The eight shifts at the airport will in turn refuse to turn volves an increase in basic rates up for work in what union of 144 per cent, an increase officials described as a "roll-on in shift pay in line with the overtime ban." The action will Retail Price Index, and larger support a claim for a 25 per London weighting allowances cent increase in basic wage and leave entitlements.
rates by the 11,000 engineering BA have told staff it wants and maintenance staff em-ployed by BA at Heathrow. are strong indications the 14;

The corporation's offer in-

Mr. Stailey Havill, secretary of the joint unions executive committee at th eariport, said the maintenance engineers felt

they should bave an offer without strings. There would be an indefinite overtime ban. The settlement date for this year's pay agreement was January 1. BA officials say

flexibility has been made with the maintenance eogineers and been appointed a director of ployed by BA at Heathrow. are strong indications the 141 the maintenance cognitive and STENHOUSE REED SHAW (UNDERWRITING AGENCIES). BA says the effect of the dispersion of the per cent offer would be imported in return for guarantees ground staff. are strong indications the 141

### Repair labour cost cut by half

trades in Britain are using a mixing too large a quantity, no spray putty that cao halve the lost time through carrying out labour costs between primer and top coating. Its speed of cleaning clogged spray equipuse means jobs can be turoed ment since the coating only round io substantially shorter begies to barden when it is fully time io the paint shop.

Boodspeed is a nitrocellulose painting in under the hour.

Corrosion-resistant reduced by up to 50 per cent.

is added and this Application is by a low pressure spray gun such as the neutral surface JGA gun manufactured by De humidity. Corrosion-resistant yellow oxide is added and this serves the extra function of providing a neutral surface colour so that even a white top coat can be sprayed nn as a single operation.
Unlike spray fillers that re-

Unlike spray fillers that re-ouire hardeners to be added, Bondspeed is ready mixed. So S. Yorks DN1 2LA. 0302 25982.

### Ten per cent fuel saved

to tractor units, used by National Freight Corporation for liquid and powder transport, have proved highly successful.

Fuel trials carried out on ERF, Leylaod and Seddoo Atkinson vehicles covering np Atkinson vehicles covering np to 10,000 miles indicate that Tankfreight (NFC) will save as shown in independent trials to much as 10 per cent on fuel

As a direct result of tha trials, shutters bave been specified as original equipment on all oew vehicles and are to be retrofitted to all vehicles young enough to benefit from their

the shutters will bave paid for

that engloes were ruooing at keep engine temperatures move adds a very valuable com-well under their recommended within 1.5C of the manufactory ponent to the BS9000 repertoire, temperatures. Shutters achieve turers' specification. their fuel savings by malutain-

BODY-REPAIR and refinish there is no wastage through the mixing and no problems of exposed to the air.

No thinners are used and spray putty simply sprayed on there is no shrinkage. Bond-top of orimer using a low-speed's pre-mixed resins and pressure gun. It produces a hardeners set evenly and pro-coating three times thicker vide a smooth, shiny finish on than with conventional fillers, which paint can be sprayed Additional coatings can be directly and will dry without applied after two or three flaking. Rapid hardening means minotes and the refinished surit can be sanded sooner after face is ready for sanding and application with considerable saving in the time taken to com-For Britain the formula takes plete jobs. Labour costs nn account of the UK's greater filler spplications can be

Vilhiss and which will be standard equipment in most repair

KYSOR radiator sbutters fitted that it is working at its most efficient level. By keeping the temperature up. Kysor claims, acid and sindge formation is reduced. Thermal shock, a major

sonrce of engine distortion and be cut to a minimum. Without sbntters, the temperature dif-ference between the top and bottom hoses can be as great as 60C, whereas with the shutters, this is reduced to between 4 and 6C.

The fitting programme is going ahead at the rate of three a day and it is estimated that the shutters will have not for nperation of the shutters and LSI support devices. themselves and the cost of fit-ting within four to five months. By opening and closing like a venetian blind, the shut-The decision to try shutters ters control the amount of ram tary

Industrial ing the eogloe at its proper Bridge Works, North Street, operating temperature, irrespective of eogline load, ensuring 685) 2373.



### Stick-on abrasives for DIY

DECLARING an intention to make a more vigorous approach to the DIY market in the 80s, 3M has kicked nff by making available its recently introduced sticky-backed abrasive papers to tha retail trade.

Sapplied in 60, 100 and 150 grades, the paper has a peel-off protective backing that exposes an impact adhesive layer which, although it halds the paper in place firmly during sanding

nevertheless allows it to be peeled off when worn out.

Papers will be supplied for application to a plain-faced fiva luch rubber sanding disc made by 3M, for orbital sanders, and for a 51 x 21 inch band sanding block the company will be

The rotary disc obviously likely to become clogged less needs no centre fixing screw quickly than normal types. and washer of the kind normally used on rubber discs to hold the paper in place. Work is less likely to be marked and application of the ahrasive is much simpler. For the orbital sanders, once an initial, permanent vinyl pad is

Furthermore, tha paper, pensing which uses aluminium oxide in signed. the two coarser grades and silicon carbide in the finer, is

fixed using the sander's clips, subsequent applications of paper are a simple "peel off

The company claims that all these papers are less likely to tear in use and they are in addition damp proofed and should not become soft and weak in damp storage.

In the shops, where they are dne to appear in March, the papers will be sold at prices only a few pence more than what is and stick on "operation. Many signed up by 3M are Woolworth, people says 3M, have difficulty with these clips.

Furthermore, tha paper, peet of the cuttering available.

Mariey and Esso garages, and point of sale display and dispensing units have been de-

. The company is at 3M House, con carbide in the finer, is P.O. Box 1, Bracknell, Berks. described as "open coated" and RG12 1JU (0344 26726).

### **e** ELECTRONICS Accolade for a UK micro

fully automatic. They are coo- first mlero to he designed,

full military temperature range (-55 degrees C to +125 degrees C).
The technology offers high

resistance to radiation. Independent tests bave established Apart from reinforcing the that F100-L is relatively reputation of the unit in mili-immune to the effects of both tary and other extreme neutron and lonising radiation. permanent malfunction even after high radiation doses.
F100-L is thus becoming the

devices are manufactured by leading microprocessor for hard Ferranti Electronics using fast, covironments. This includes low power dissipation, high land, sea and air applications reliability bipolar technology, in weapon, machinery and radar

and 6C.

THOUGH RELATIVELY little This enables all the devices in control, communications, signal Operation of the shutters is is heard of the Ferranti F-100L, the family to operate across the processing and navigational

BS9000 approves the specification and quality assessment of electrical components, with independent certification from the Electrical Quality Assurance Directorate of the Ministry of Defence, on behalf of the British Standards Institute. The scheme was taken after it was noticed air reaching the radiator and reliability requirements, the there being no experience of establishes common terminology, test methods and specifications for electronic components, thus removing the need for multiple assessment. The scheme also creates a comprehensive data base of qualified products to the advantage of designers and

The comprehensive BS9000 approved specification for F100-L is now available from Ferranti Computer Systems, Western Road, Bracknell, Berk-shire. Telephone: Bracknell shire. Tele (0344) 3232.

### **Simplifies** the input problem

MANY OF the communications, control and instrumentation systems now being designed to incorporate microprocessor intelligence initially have to accept analogue signals—trandsducer outputs, speech and varying voltage levels in general.

They need to be conveniently

They need to be conveniently digitised for manipulation by the processor's logical circuits and in date it has not always been possible to use ideally suited devices. Now, National Semicooductor says it is making availabla the industry's first family nf " truly microprocessorcompatible analogue to digital convertors."

Known as the ADC 0804 amily, these devices are complementary metal oxide sillcon types working at eight bits and using successive approximation for the conversion process. Operation is possible with the

standard control bus of the 8080 processor derivatives and the devices have the electrical appearance of memory locations or output ports to the micro, so that no interfacing logic is

More from 301 Harpur Centre Horne Lane, Bedford (0234

### Power on a single board

SIXTEEN bit micro already used in-house by Systems Reliability of Luton is to be made available as a single board stand alone computer called Mounex The design is that used in the company's Tel-Tag telephone management and information

It is based on the Texas Instruments 16 bit 9900 device. Also on the board are eight or Also on the board are eight or 32 kilobytes of random access memory, up to 24k bytes of electrically programmable read enly memory, 22 programmable TTL buffered input-output lines and a pair of serial communications ports, synchronous and/

The company says the machine has advanced memory-to-memory architecture giving rapid context changes, 16 inter-rupt levels, word and byte addressing and bardware multiply and divide. More from 24 Rothesay Road

Luton, Beds (0582 38581).

Curves in cladding NOVEL methods of curving the ding to produce a continuous insulation lining for profiled unbroken lining which fully complies with the insulation resteel and aluminium sheet quirements of the current

cladding without interrupting Building Regulations. The technique is being used the material's continuity, have been worked out by Teal Clad- initially in conjunction with dings, of Telford. Shropshire. steel Flociad facing panels to a I metre radius, but can be used By enabling the insulation for all types, say Teal.

In the case of Flociad, manulining to follow the curve of the material, there is no sacrifice factured by Ash and Lacy Steel Products, it has ensured optimum use of this particular • PROCESSING of insulating properties, and the architect or designer has the opportunity to specify curves, sweeps and attractive cladding's inherent span characteristics. By employing the Teal pro-

cess, fully insulated 88 mm design has only been possible thick Flociad claddings can be with indirectly insulated clad-custom-shaped to form curves package ding material i.e. where the ding material, i.e. where the down to a minimum of 380 mm insulation material is not radius. Flociad with integral integral, but this has often insulation lining is manufecmeant that the consistency of tured in two panel widths 900 mm and 1,050 mm-with

plated for maximum wear-

resistance and long working

life. All parts are replaceable

Cavac Systems, Unit 15,

in the event of damage.

the insulation is inadequate. Teal's new technique ensures profile depths of 26 mm and that the polyurethane, polystyrene or isocyanurate insula- from 1.2 m minimum to 9 m tion materials bond efficiently maximum and the thickness of into the curve of the steel clad- the insulation lining is 50 mm.

## Pure water

LAING

make ideas take shape

WATER treatment company Elga Products reports that it is now able to offer a comprehensive planning service for the provision of the high quality water needed in the electronics industry, particularly for com-panies involved in semiconductor manufacture.

Evaluation of a project, and detailed proposals would be followed by the provision of a "plant package" able to produce water with very low conductance (in the microsiemens range). Installation would be fast and simple.

Alternatively, tailormade schemes to include the economic Elga recirculator system linked to an in-plant distribution network will be designed, manufactured and installed.

Suttons Industrial Park, London The company is at Lane End, Bucks HP14 3JH (0494 881393). Road, Earley, Reading RG6 1AZ.

### INSTRUMENTS Fast check on diameters

KWIK CHEK orifice gauge is of hole diameters to the nearest for the fast and accurate checking of small plain and counter, hardened steel, and is chromeing of small plain and countersunk hole diameters. It works on a very simple principle, directly transferring diameter measurements from a sliding tapered needle to a linear scale readout graduated in milli- Road, Earley metres or thousands of an Inch. 0734 669663.

CONSTRUCTION

This simple-to-use, pocketinstrument, can be nperated by any unskilled person. Magnified, direct-reading scales permit the easy reading

### MATERIALS Keeps pools at right heat level

LOOKING LIKE a series of plastic studs on a plastic background, a solar pool blanket by Sealed Air International Corporation of Kettering, Northamptonshire, consists of air bubbles sealed between two layers of tough plastics film con-taining ultra-violet inhibitors.

Translucent and able to transmit solar energy into the water at all depths, the blanket gives a 10 F gain over an uncovered pool. It retains the absorbed heat through the day and reduces overnight beat loss to no more than 1 F. On beated pools, the blanket conserves fuel and can cut heating costs by 70 per cent or more.

Other benefits of installing a solar pool blanket include ability to reduce the loss of cals through evaporation. There are ohvious ludustrial

applications to be developed. Sealed Air International Corporation, Telford Way, Kettering, Northamptonshire. Ket-tering (0536) 522347.

### Belts given resistance

ALTHOUGH no BSI specifica-tions yet relate to flame-retardant vee belts, Optibelt has been developing new flame-resistant rubber compounds for them

These compounds will be used for the manufacture of the company's first fire-resistant belts which will now be available in many sizes.

Obvious applications are in underground mining situations or high risk areas within chemical, gas and nil refinery plants where a spark could result in disaster. Safety is the key factor and the new range vee-belts also bas antistatic properties.

The new belts will have a service lifa which is not inferior to standard belts. They meet the stringent NCB specifica-

Visurgis (Great Britain), Towerfield Close, Shoeburyness, Essex SS3 9QP, 03708 5955.

### COMPUTER AND OFFICE EQUIPMENT **SURVEYS** 1980

The Financial Times is planning to publish a number of Surveys in 1980 on Computers and Office Equipment. The titles and proposed publication dates of those planned are listed

Computer Industry March 3 Reprographics March 19 Calculators April 18 Word Processing May 12 . **Computing Services** September 17 Office Equipment October 6 **Computer Peripherals** October 31

> For editorial synopses and rate sheets: please contact:

> > Robert Murrell

Financial Times, Bracken House 10 Cannon Street, London EC4P 4BY Telephone: 01-236 1434 Telex: 885033 FINTIM G

The content, size and publication dates of Surveys in the Financial Times are subject to change at the discretion of the Editor



a unique combination of a fully equipped standard vehicle, special fitted-out to suit your operational needs-with an under-floor

it makes good sense to budget now for this well-proven concept In site equipment and provide an independent unit that is far cheaper and lighter than a vehicle/trailer combination.

Air Drive Limited. London Road, High Wycombe, Bucks.

You can judge our company by the companies it keeps.

The Compair group of companie supplies compressed are equipment to most of the leading industrial companies listed in The Times 1000 annual review.

And to very many more not listed.

Which helps explain why CompAir is the largest most experienced and most

## COMPRESSED AIR INDUSTRY

Despite the growth of rival technologies, compressed air continues to play a vital role as a source of power in factories, on construction sites and in a host of other applications. This survey, which coincides with the 50th anniversary of the British Compressed Air Society, examines the structure of the industry and its prospects.

### Huge variety of uses

By Geoffrey Owen

IN CONTRAST to the glamour of electronics, mechanical engineering is sometimes regarded as conservative and old-fashioned, condemned to sluggish growth and declining economic importance.

Based on technologies which are mostly at least a bundred years old, it clearly cannot aspire to the revolutionary impact on society associated with micro-processors and micro-chips. Buf mechanical engineering remains the bedrock of industrial activity in the developed countries. Its technologies, of which compressed air is one example, are basic and well-proven; they perform functions which cannot easily

pressed air, an important sector : of mechanical engineering, do: turing industry. It began to be not have to console themselves seen as an important supplewith thoughts of past glory. Their products and expertise astute enough in their product have their own in house com- again the characteristics of com-

purhlish a 11.00 25 and nr chesed

// 2<sup>4</sup>1 0 arco 1927.67.25

a. estitor l . . . . . .  $z \sim 21$ 

development and their market- pressor to supply compressed ing they can achieve growth air whereas the other services rates and profit levels which are are bought out from municipal respectable by any standards.

power to operate rock drills, and sensitivity. Compressed cutting tools and other equipment. One of the first major applications was in the construction of the Mt. Cenis railway tunnel in the Swiss Alps, which began in 1857. Compressors established themselves as an essential utility on the cutting and sensitivity. Compressor of the used for monitoring and control purposes.

Outside the factory portable compressors established themselves as an essential utility on the cutting and sensitivity. pressors were installed at the two ends of the tunnel to supply air to the rock drills; supply air to the rock drills; power to paving breakers, rock when the two teams met in the drills and a variety of other middle there were 7,000 metres of air line in use.

The success of the Mt. Cenis tribution network or grid which and adaptable.

would connect factories and offices to a rommon service. compressed air. One such network was built in Paris in 1888 machinery and for some years enjoyed markets. considerable success and pub-

It was based on a 1,500 kilowatt compressor plant serving the produced seven kilometres of mustal appliances of subsidiary customers. feeder lines; the air was used to power clocks, passenger lifts, patch systems, generators and other equipment.

"fourth ntility" for manufacment to electricity, water and gas, but with the crucial difference that most factories continue to do so, but bere

or national ntility companies. It was the second half of the last century which saw the setablishment of compressed formance of the human band air as a means of transmitting without removing its flexibility without removing its flexibility

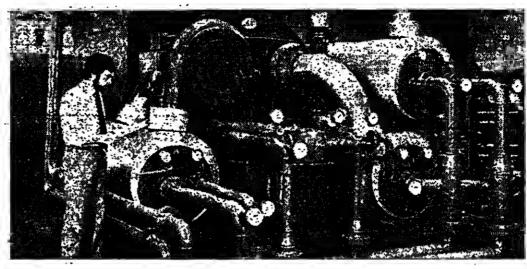
> the construction site and in mining operations, supplying

equipment. Thus compressed air has become a major source of project gave a fillip to the industrial power possessing devalopment of compressed air many advantages over alternator other applications. There tiva technologies. It is safe,

> Construction and mining air. represent Within the factory compressed air is used to power a wide range of assembly tools: the motor manufacturers and producers of domestic appliances

#### Attractive

Pneumatic controls have been Although it soon became clear developed to take the place of that for distributing this sort manual labour in the operation be taken over by other tech-nologies; and they are capable of power electricity was more of machine tools and in a host of refinement and improve efficient than compressed air, of industrial processes; despite ment. the other technology did not the growth of electronic devices So the companies which have fade away. Compressed air was low-cost automation through a beavy commitment to com- able to establish itself as a pneumatic controls remains an economical approach for many applications. In construction and mining hydraulics have equipment. made some inroads and



A Joy TA60 turbo compressor is checked before its delivery recently to a British motor manufacturing plant, where it will provide power in the foundry

pressed air—safe, reliable, and ment and transmission equip-relatively simple to operate— ment. segments overlap with each other, but most companies bave relatively simple to operate- ment. will ensure that it retains a Many of the BCAS members narrowed down the markets very substantial sbare of the business. A number of the leading compressed air companies bave developed or acquired expertise represented in both branches of what is sometimes called the finid power industry.

To serve the many markets for compressed air a substantial industry bas grown up and one that, because of the diversity of applications, is not easy for the outsider to identify or define. The British Compressed Air Society, the UK trade asso-ciation which celebrates its 50th anniversary today, divides its members' activities "Into five categories: industrial and process compressors; portable com-

which they intend to serve and

hence the products which they

Ingersoll-Rand of the U.S.

probably makes a wider range

of air and gas compressors than

any other company in the world;

but its interests range far

beyond compressors into pumps,

gas turbines, needle bearings

and other products. Its most

in the compressed air field.

Atlas Copco, is more beavily

committed to air compressors and related equipment. The same is true of the biggest

British-owned company, Comp-

Competition

manufacture.

operate in two or more of these five categories and the dividing lines between them are not precise. Moreover, some of the companies which manufacture so that they are air compressors (whether to supply compressed air within a plant or for process applica-tions) are also involved in gas compressors, perhaps supplying machines for use in natural gas production or distribution or in chemical and petrochemical plants.

are part of a wider pressor industry," but there is little in common between a large centrifugal used as part of the production process in an ethylene or ammonia plant and a small pressors and contractors' tools; reciprocating compressor in-industrial tools; pneumatic con-stalled in a garage or workshop. have to compete not only against nologies, particularly elec-trol equipment; and air treat-Product categories and market other large, broadly-based con-trolics, which can enhance the

Germany, but against smaller companies which have specialised in particular sectors of the business. In the UK two examples of such specialisation are Desoutter Brothers, in pneumatic tools, and Martonair International, in pneumatic control equipment.

cerns, such as Joy Manufactur-

ing in the U.S. and Demag In

Moreover, the technology is not static. As will be explained in later articles in this survey, there is continuing competition between the three main compressor types - reciprocating. screw and centrifugal. Each of the three has its own advantages and the manufacturers are seeking to extend these advantages more widely into other

sectors of the market. The most dramatic illustration of the competitive impact which a new product can cause bas been the growth of the screw compressor during the post-war period. Originally developed by a Swedish research company, the screw compressor bas been exploited by a number of com-panies around the world. One of the most aggressive of these bas been Sullair of the U.S. which in the past 15 years bas come from nowbere to a strong position in the American domestic market, challenging for third place after Ingersoll-

The development of new and improved products is a necessary condition for success in the compressed air business. Research and engineering work important European competitor is under way to overcome the disadvantages of compressed air, particularly noise, and to improve the efficiency with which it converts energy into industrial power. At the same time companies

Rand and Joy Manufacturing.

CONTENTS Layman's guide Developments ш Industry's structure Portable compressors Industrial tools Pneumatic controls VI VI Air treatment Company profiles: Ingersoll-Rand Desoutter Martonair

performance of compressed air equipment. This applies particularly to industrial tools and pneumatic control devices.

mance, reliability and cost are all the more important at a time of sluggish economic growth. In the UK several of the industries which are important customers for compressed air equipment, such as construc tion, are ruoning at a low level and competition among the suppliers is fierce; In many cases a company can achieve growth in volume only by taking market share away from someone else.

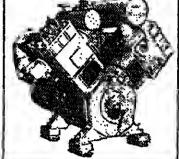
Yet there is no lack of confidence about the long-term future of the compressed air industry-and even in the sbortterm some companies bave intention of achieving rates of growth well in excess of GNP. They are providing a product and a service which manufacturers and cootractors cannot do without; the technology may be mature, but the business opportunities are still

### It has been proved that no matter how efficient you make your industrial equipment, you will ultimately lose out in human terms if The same applies to any form of environmental pollution, whether it be dust affecting the lungs or vibration afflicting the nerves. Eventually and inevitably it makes people hate their working conditions. That's why Atlas Copco always consider the human factor when designing their compressed air equipment. British designed and manufactured equipment to improve your operators' working conditions and the environment, Atlas Copco together with a comprehensive service organisation, are part of the complete package offered by Atlas Copco. Specify Atlas Copco-the biggest compressed air company in Europe Atlas Copco (Great Britain) Limited Swallowdale Lane, Hemel Hempstead, Herts HP27HA. Tel: (0442) 61201.

# YEARS

MAKING COMPRESSORS, AND WE'RE WALKING TALLER THAN EVER.

### A.P.E-Belliss, the Air Power in the powerful A.P.E. Group.



Now a member of Amalgamated Power Engineering Ltd., A.P.E-Belliss started making air compressors 30 years before the British Compressed Air Society was founded. Consistent faith in the superior efficiency of reciprocating compressors is now paying unprecedented dividends. Energy conservation makes the reciprocating compressor the most viable service air source in a harsher economic

A.P.E-Belliss reciprocating compressors use substantially less energy, require no more maintenance and replacements than any other medium/heavy-duty types of compressors. 80 years of development makes them the ideal compressors

**APE**] Other companies in the Amalgamated Power Engineering Group comprise

A.P.E-Allen Ltd. Dieseland Dual Fuel Engines Steam Turbines & Pumps A.P.E-Allen Gears Ltd. Epicyclic and Parallel Shaft Gears.

A.P.E-CrossleyLtdL Dieseland Dual Fuel Engines Valtek Engineering Ltd. Automatic Control Valves

A.P.E-Belliss Ltd. Icknield Square, Birmingham B160QL, Tel: 021-4543531 Telex: 337507 Cables & Telegrams APENG B'ham.

### Layman's guide to gas uses

ing. This may be done for a areas of the market. variety of reasons, such as: to transmit power, as in a compressed air system for operating pneumatic tools;

to provide air for combustion, as in a jet engine to transport and distribute gas, as in natural gas pipelines and city gas distribution sys-

• to circulate a gas through a process or system to produce conditions more conducive to a chemical reac-

compressors
Some companies describe themselves as manufacturers of air and gas compressors. Most air compressors are used to proor on construction and mining sites. Gas compressors normally refineries, petrochemical plants, natural gas pipelines, etc. The distinction is not a rigid one, since air compressors may be used in the process industries toprovide air for instrumentation instrument air compressors) or for process applications, as in

The same types of machinereciprocating; rotary screw and centrifugal (see below)—may be used in both air and gas com-users, particularly in the food pressors, but the latter normally and pharmaceutical industries. handle much bigger volumes require "oil-free" air. For this and hence tend to be larger purpose "dry" or non-inbricated

Process gas compressors are Types of compressor produced by a variety of comand in the U.S. Clark (sub- pressure is obtained by enclossidiary of Dresser Industries), ing a volume of gas in a con-Elliott (subsidiary of Carrier fined space, then reducing it by Corporation) and Ingersoll- mechanical action. Dynamic

The purpose of gas compress Donkin (subsidiary of Hopkin- tinuous-flow machines in which capacity with small size. It is small-volume sion is to deliver gas at a pres- sons Holdings) and Peter the rapidly rotating element sure higher than already exist- Brotherhood compete in certain

> Several of these companies also compete in air compressors. Demag, for example, offers a wide range of standard plant air machines and is one cf the market leaders in West Germany in portable com-pressors. Elliott, though primarily in the process field, also offers centrifugal compressors for the plant air market.

Volume, pressure and power The volume of air or gas which a compressor can handle Air compressors versus gas is expressed in cubic feet per minute (cfm). Most plant air compressors have a capacity of less than 2,000 cfm, whereas the biggest centrifugal compressors in process gas applications can duce compressed air for power handle capacities of up to purposes, either within a factory 700,000 cfm. The pressure of or on construction and mining the air or gas is measured in or on construction and mining the air or gas is measured in pounds per square inch (psi). The usual plant air compressor operates at 120-125 psi. The power to drive the compressor is obtained from an electric motor or an internal combustion engine; the horsepower required depends on the volume of gas to be handled.

What is "oil-free" air? for process applications, as in Where subricated compressors the pneumatic transport of are used, the air is polluted cament and other bulk with some oil. This may be acceptable in many plant air applications — for example, where the air is used to power small hand tools - hut some compressors are used. .

produced by a variety of com-panies such as GHH and Demag compressor — positive displace-in Germany; Nuovo Pignone in ment types and dynamic types. Italy; Sulzer in Switzerland; In the former the increase in

accelerates the gas as it passes through the element.

The oidest and most common positive displacement machine the reciprocating piston compressor, in which the compressing and displacing element pressor or an oil-injected is a piston having a reciprocating motion within a cylinder. Reciprocating compressors normally have self - acting valves; the design and quality of the valves have an important bearing on the performance of the compressor and on the cost maintenance.

#### Periphery

The best known of the dynamic types is the centrifugal compressor. In this machine the gas is fed to the centre of a rotating wheel with radial bledes, known as the impelier, which throws the gas to the periphery by centrifugal force.

Other types of positive displacement compressor are the rotary vane compressor, the Roots blower and the liquid-ring compressor, while the dynamic category includes the axial flow compressor, the mixed flow compressor and the ejector. In the axial compressor the gas passes axially along the compressor through alternate rows of rotating and stationary blades which impart, velocity and then pressure to the gas. Mixed flow compressors contain some of the characteristics of both centrifugal and axial flow

One of the major develop-ments of the past 20 years has been the growing popularity of the rotary screw compressor, which, though a positive displacement machine, incorporates

counter-rotating rotors; thus the maintenance costs are low compared to the reciprocat-

The rotary screw compressor was invented by a Swedish re-search company, Svenska Rotor Maskiner Aktiebolag (SRM), which is the principal holder of the worldwide patents on the rotary screw method of com-pression. The technique was licensed by SRM to compressor makers around the world. Most of the major companies, such as Atlas Copco, Ingersoll-Rand, CompAir and Joy, now offer screw compressors as well as reciprocating compressors and, in some cases, centrifugal compressors. In the U.S. Sullair has based its rapid growth in the past 15 years entirely on the

The first screw licence was Glasgow, has developed the ticularly compressors for thusanderical refrigeration (of which instrument air compressors the trial refrigeration (of which instrument air compressors are not they are normally driven by an electric motor. ticularly compressors for induspressors for petrochemical and process applications, and a range plant air compressors. Howden granted a sub-licence to Holman Brothers, which merged in 1968 with Broom and Wade to form CompAir; this company manufactures a range of rotary screw compressors for stationary and portable applications.

screw compressor.

Several of the hig compressed air groups now offer reciprocating, screw and centrifugal compressors. All three can be used in standard plant air applicathe entirely rotary action of a pressors. All three can be used centrifugal compressor. Bein standard plant air applicacause it can operate at high tions but each has its particular

Reliability the key

WHAT ARE compressors for? Rand. In the UK Bryan compressors are rotary, con-shaft speeds, it combines high strengths and weaknesses. For where the volume needed is noise level. It has no valves below 100 cfm and the horse and only two moving parts, the power required is 25 hp or less the reciprocating machine has tended to he the first choicealthough the screw is increasing compressor. The screw can lingly competitive down to 70 be either a dry (oil-free) com- cfm or lower. Between 100 and 1200 cfm, with horse powers ranging from 25 to 300 hp. the reciprocating and the screw machine compete against each other. Both types can be designed to handle much pigger

volumes. After 1200 cim the centrifugal machine begins to compete in certain applications, but it is in bigger volumes, above 4000 cfm, where this machine comes into its own.

Manufacturers are continually seeking to extend the advantages of their particular machine into new sectors of the market. Stationary versus portable

Stationary compressors are normally installed within a factory to supply compressed air for operating pneumatic obtained by the Howden Group tools or controls, for conveying in the UK. Its subsidiary, materials, for operating machinery such as paint spraying nery such as paint spraying equipment, and many other screw in a number of ways, par-purposes. They are described as plant air compressors or instrument air compressors and

Portable compressors are used outside the factory, typically on construction sites and in con-nection with mining and tunnelling operations. They are normally driven by a diesel engine and they are used to power paving hreakers and other contractors' tools, rock drills and other mining and tunnelling equipment. In some applications hydraulically powered machines compete with pneumatic tools.

Geoffrey Owen

The member companies of the IMI Fluid Power Group have been in business for a total of over 300 years.

That adds up to a great deal of experience in precision engineering. Experience that can benefit air systems users throughout industry.

So contact the companies below whether a complete installation is required or you need the back-up of some of the most efficient ancillary equipment available.



### Fluidair Compressors

An outstanding range of An outstanding range or rotary sliding vane compressors. Reliability is guaranteed by their small number of moving parts and their very high standards of engineering.

Head Office: IMI Fluidair Ltd., Radcliffe, Manchester M26 OJB, Phone 061-723 2421. Telex 667071

#### Norgren In-Line Equipment

A complete range of Filters, Regulators and Lubricators to ensure efficient operation of air lines and machinery.

lilli Norgren Ltd. Shipston-on-Stour, Phone 0608 61676

### Enots Valves/ Cylinders and **Tube Fittings**

An exceptional range of pneumatic products from this world renowned

Head Office: IMI Enots Ltd. PO Box 22, Lichfield. Staffordshire WS136SB. Phone Lichfield 54151

#### **IMI Pneumatics** Products are available from

the individual manufacturing companies or through the distribution network where iMI Pneumatics Ltd. plays a large part.

Head Office: IMI Pneumatics Ltd. Warwick Ho. Birmingham Rd. Warks CV37 OBP.

## to development

fore, is a breakdown.

No compressor or pneumatic equipment maker is keep to be accused of being responsible, through failure of his products, for expensive downtime. He seeks to huild them for troublefree operation over the ten to 15 years of the life of the machinery being operated.

The development of the pet-rol engine provides an analogy evolutionary progress at considerable intervals, while buyers of pneumatic equipment, which delivers compressed air or gas to their processes, like to know that spares will be readily available over the life of the equipment and that if they want to instal another pneumatically-actuated machina they can count on the same spares and service routine.

This is not to say that research and development in the industry, take a hack seat. Rather that they are subordinated to the over-riding need for complete reliability. It is an emphasis that does not apply so strongly in some other indus-

Whether, or when, to introduce a new product or range is largely a matter for individual judgment. Most equipment makers have, waiting in the wings, new or updated products that have already been exteo-sively field tested following factory acceptance trials. On the other hand there are periods and this is one of them,

when shrinking markets or the need to respond to advancing control hrings new products forward on an unusually broad front. Both factors are at work, and over the next two years one can expect to see major companies coming forward with new products, some of which will mark a radical change in

design, and put an end to the comparative lack of innovation

Steady.

in recent years.

Since pneumatic tools were designed 30 or 40 years ago, the progress has been steady if unspectacula.. Ir the past few years the energy crisis and Inflation have meant that material and production costs have been rising—and so has the resist-ance of customers to increased prices.

In addition, the demand for better ergonomically-d-signed tools that are lighter, more comfortable to handle and are cushioned against vibration has been growing. Simultaneously, there has been a call for lower noise levels, echoed by increasingly stringent legislation.

Higher up the technological moves towards a paperless con-

in general the customer's plant machinery technology in which of which are outside, perhaps in and equipment being operated electronic controls, micro-pro- a quarry for opening hopper is likely to be substantially cessors, visual display units, doors, or in the harsh envisuous expensive and so, there and computers are beginning ment of a foundry. to transform the market place. So the pressure for lighter

low-cost equipment that is easier to handle, simpler to rentrain and is in sympathy with the coming revolution in factory automation is really beginning to build up. Examples of what is happeoing, as is so frequently pointed out, are easily found in other countries, less easily here. It is heartening to note that international companies based in the UK are not just responding to the new requirements bot in some instances are leading the technical field.

### Protection

Equipment makers are assessing newer materials, such as plastics, which can be more cheaply formed, and lightweight ones such as aluminium and zinc diecastings to see how they can be used with advantage. Powder paint technology is also in evidence to improve protection against chipping.

One or two companies have re-organised their departments to give much more prominence to putting equipment on-line, linked in to computer-aided or controlled machines and procontrolled machines and pro-cesses. One of the first phases is likely to he in robotics. Although the UK lags behind other industrial countries in their use—about half the total are in the BL factory making the new Mini-Metro po one doubts that the revolution is on its way.

One of the areas equipment makers are looking at is the "pick and place" operations in lightish component manufacture and assembly. Some of the new equipment coming along will be well in advance of robot installations here; but what leading manufacturers are looking at are world markets About half, sometimes mure, of production is sold competitively overseas. The interface between elec-

tronics and air, to control equipment and improve the speed of its response, seems bound to grow. While in many instances equipment will be tapped in to a factory compressed air mains system supplied by big, outside compressors, the development of compact package units in which noise attentuation has been reduced to 60 DhA at one metre has opened up the alternative of individual units on the shop floor adjacent machinery and pro-

This is a concept that appeals more particularly to smaller but expanding businesses. Like their big brothers the small compressors have automatic stop-start have been the tentative facilities to respond to changes in demand for air.

DEVELOPMENTS IN compressions and pneumatic equipment this area, too, industry equiptionary rather than dramatic. The watchword is reliability, for

Many pieces of equipment fail to get proper attention and servicing. Since the maker seldom knows where his equipment is going to Operate he risks being blamed for breakdowns unless precautions are taken. One or two manufacturers, though hy no means all, have tried to anticipate misuse not only by redesigning equipment in ways in dictated above but also by the use of stainless steel piston rods as standard to prevent rusting.

At the other end of the scale there has been a move to introduce plastics and lightweight materials, though some argue that not only is there no performance advantage but no significant price advantage either. All the same, it is an area which manufacturers are keeping a keen eye on and, indeed, they use such plastics as nylon for

Plastic piping is largely tak-ing over from metal piping for a growing list of applications and has led to the design of push in fittings, adequate for working pressures up to 10 bars.

### Advantage

This development has been paralleled by refinements that enable a valve to be disconnected and replaced without disturbing associated pipework. This is achieved by a sub-base valve comprising a valve module and a base module which the costomer can assemble to form complete valve unit.

The method has the added advantage of avoiding wrong reconnections, hesides minimising downtime. The application of flexible nylon piping has immensely improved the prospects for pueumatic equipment being integrated into control circuitry. and the advent of micro-processors is considered to open up the market even more. A number of leading manu-

facturers with worldwide mar-kets to exploit — and defend are heavily engaged on development work with micro-processors and sophisticated control machinery from the very simple to random access memory facilities. Solenoid valve technology is advancing to the point where new type of non-lubricated valve should shortly be available, together with non-electric and nonmagnetic automatic switching devices and ancillary equip

The race to seize the potential henefits offered by developments in control technology for pneumatic equipment is on. In the next two or three years cus-tomers will be able to buy a complete package down to the control panel.

Peter Cartwright

A totally integrated compressed air service to industry.

### Strong competitive pressures in varied sectors

companies which participate in in Scandinavia. Some are large concerns which offer a broad spread of products and have an international network of manufacturing plants. Others specialise in a narrow segment of the business where they aim, by concentration of in Italy, while certain special effort, to provide a better promachines may be brought in duct, and a better service than that of their larger rivals.

cim the me regime to come regime to come regime to come

compressor to company to compressor to company to compa

U press

orning and the

ney are we

17012

10015

In virtually every segment there are enough companies to ensure that competitive pres-sures are strong. Profit man-gins in standard products tend to be low. Thus there is always an incentive to strive for improvements in manufacturing efficiency which will reduce the cost of the machine and for technical sdvances which will enhance its performance and

reliability.
At one end of the industry in terms of size and diversity are the large international com-panies of which Ingersoll-Rand of the U.S. and Atlas Copco of Sweden are the two leading examples. These and a handful of other companies, including Compair in the UK, make a range of stationary compressors for in-plant purposes.

They make the industrial tools which are powered by those compressors. They make portable compressors for use in construction and miningcompressors, both air and gas. Some of them also manufacture pneumatic control equipment.

Atlas Copco has been making compressors, rock drills and pneumatic tools since the early

far the most important ontlet for Atlas Copco equipment of other products this has now been reduced to 20 per cent Manufacturing industry accounts for 40 per cent of the business for 40 per cent of the business and civil engineering contrac-

the market leader. It is particu- machinery and components. larly strong in Western Europe, which accounts for 59 per cent of its business—including 15 per cent in Scandinavia. The company has been seeking to build up its position in North America; in 1977 it made an unsuccessful attempt to acquire Sullair the specialist in screw

Atlas Copco has invested heavily in manufacturing facilities outside Sweden and has sought to achieve economies of scale by specialising at each plant in a particular range of products. Thus most of the company's standard stationary and portable compressors are manufactured by Atlas Copco Airpower NV in Belgium. This is the principal source for Atlas Copco marketing companies in other parts of Europe, including

In the UK itself the Atlas Copco plant at Hemel Hemp-stead is the group's principal manufacturer of paving breakers and light rock drills for European and world markets. (Atlas Copco is "in surplus" on its exports and imports.) Heavier rock drills and in-

In the same way Ingersoll-

sales companies in Europe market products manufactured in several different locations. Standard compressors for the European market are made principally in the UK and Three other major American

companies—Joy Manufacturing, Gardner-Denver and Chicago Pneumatic Tool (which trades in the UK under the name Consolidated Pneumatic) compete in most products and in most markets. Joy, based in Pittsburg, is probably second to Ingersoll-Rand in the U.S. air compressor market and is a significant contender in Europe; it bas a factory making a wide range of air compressors in East Kilbride, Scotland. Like Ingersoll-Rand, it offers reciprocating, rotary screw and

centrifugal compressors but air machinery represents only 28 per cent of its total sales. It makes mining equipment, air pollution control equipment,

and other products.

Gardner-Denver also has a big commitment to mining and this company supplies specialised equipment used in exploration for oil, water and supplies minerals. It has plants in the UK and in West Germany.

Last year Gardner-Denver

was merged with Cooper Industries, one of the leading manuand the cutting and drilling facturers of compressors for equipment that goes with them.

Some of them make process distribution. The effect of the merger is to produce a large, engineering broadly-based engineering group with a comprehensive range of air and gas com-Chicago Pneumatic Tool was

pneumatic tools since the early years of the century. But it was the development of the "Swedish method." of rock drilling after the second world war—involving lightweight, self-feed drills, together with drill steels tipped with cemented tungsten carbide—that gave a great fillip to the company's growth.

For some years mining was by far the most important ont:

this sector. But CP also makes and sells a full range of station-In many countries outside ery and portable compressors
North America, Atlas Copco is and has diversified into other

### Target ...

In 1967 it was the target of a takeover offer from Caterpillar Tractor, which wanted to add compressors to its line of construction equipment, but the deal foundered on anti-trust Chicago Pneumatic has two factories in Scotland making tools and another at Corby which manufactures the CP range of Single Screw portable and industrial compressors was the international strength of these five companies —one Swedish and four American—that provided part of the rationale for the creation in 1968 of the British company, CompAir. Encouraged by the Industrial Reorganisation Corporation, this merger brought together two leading British compressor companies, Holman Brothers, based in Cornwall. and Broom and Wade, based in High Wycombe

Holman Brothers was particularly strong in the mining industry and bad the additional advantage of holding a sublicence to manufacture the rotary screw compressor, which



Lowering a cylinder top cover during the construction of a large three-stage, three-cylinder compressor at the Birmingham works of APE-Belliss

cating piston machine.

Since the 1968 merger Comp-Air has steadily broadened its position both in products and in geographical spread. It bas established itself as one of the established fiscal as one of the six leading international com-panies in the field, as well as being tha clear UK market leader in industrial plant air compressors and portables. Its acquisitions in the UK have included Reavell, making specialised marine and indus-trial compressors and centrifugal compressors for process work, and Hydrovane, making a dis-tinctive range of light portable and stationary compressors based on the rotary vane prin-

ciple. CompAir moved into the U.S. in 1971 with the acquisition of Kellogg-American and has since made two further acquisitions in that country. In Europe it hought Compresseurs Lucbard in France and has been huilding up its own marketing organisa-tion in West Germany.

sort to the international leaders Peter Dau, president of Sullair ment group.

market served by the recipro-cating piston machine.

Line U.S. of Sullair Corpora-centrates entirely on screw in the U.S. of Sullair Corpora-centrates entirely on screw tion. The entrepreneurs in compressors and has no intenconvinced that the rotary screw types. compressor-which had been on the market for some years but energetically exploitedcould provide the basis for an assault on the established

#### companies. Spectacular

Sullair's growth has been spectacular: between 1970 and 1978 sales rose from \$11m to \$103m and net income from \$470,000 to \$6.7m. Besides making portable compressors for construction and mining and stationary compressors for It has been notably successful piant air. Suilair also makes in the offsbore oil industry, industrial refrigeration screw where its compressors are used compressors for the food industry and is developing gas compressors for petro-chemical and other process applications.

In Europe, Sullair has a plant in Germany which is jointly sectors of the compressor owned with Gutehoffnungshutte (GHH), the big German engin-A challenge of a different eering group, and with Mr. of IBH, the construction equip-

THERE ARE many hundreds of dustrial tools are made mainly was clearly going to eat into the came in 1965 with the formation Europe. As in the U.S., it concharge of this company were tion of diversifying into other

> Sullair Europe has made a successful impact in West Germany, Austria and Switzerland and is planning to extend its business to other markets, including the UK. There are other companies

Number of employees... 12,550

Joy's two operating subsidiaries are Joy
Machinery, making mainly mining equipment for example, APE-Bellis, part of Amalgamated Power Engineerbased on pneumatic and hydraulic power, and Joy Industrial Equipment, making fans, filters, electrical connectors and a variety of equiping, concentrates on reciprocating compressors and is particularly strong in the medium and ment for the oil industry. beavy-duty end of the market.

with strengths in particular sec-tors of the market. In the UK.

to supply service air on plat-forms and oil-free air for con-trol and instrument air require-

One of the French husiness. leaders is Maco Meudon, part

### SOME MAJOR AIR COMPRESSOR MANUFACTURERS

(figures based on 1978 financial year)

GARDNER-DENVER

After-tax profit ...... Number of employees... 48.730
A diversified mechanical engineering company Ingersoll-Rand is also a major producer of

Number of employees... 12,650
Gardner-Denver makes construction and mining machinery, industrial compressors and tools, and equipment for oil and general exploration. Last year it merged with Cooper exploration. Industries, a leading manufacturer of engines and gas compressors for the oil and gas

CHICAGO PNEUMATIC TOOL Sales ..... After-tax profits ......

Number of employees... 9,220
This company, which trades in the UK as Consolidated Pneumatic, makes a wide range of pneumatic tools and air compressors and has diversified by acquisition into instruments, including temperature recorders and controls.

COMPAIR

Number of employees... g,000 CompAir, the leading British compressed air

group, makes a wide range of industrial plant air compressors, power tools, portable compressors and contractors' piant, rock-drilling equipment, pneumatic and hydraulic controls.

Finally, there are the companies which do not make air compressors, but specialise in there are companies like Marther and companies there are companies like Marther and companies are companies as the spray painting of car bodies.

pumps, turbines, gas compressors, needle bearings, locks, vibratory compactors and other

Number of employees... 17,660 With its headquarters in Sweden, Atlas Copco

is an international company with its business based mainly on compressed air. It bas diversified ioto bydraulic components and

hydraulic drilling equipment. (Figures converted from Swedish Kronor at the rate of

JOY MANUFACTURING

After-tax profit ......

\$1=SKr 4.285).

on a narrow front, but often successfully. In pneumatic tools there are specialists like Desoutter Brothers in the UK and Thor

a subsidiary of IMI, is one of pion Spark Plug in the U.S.

the leading companies.

Another specialised applica-

the machinery and equipment that are powered by compressors. They compete against the big international companies

They compete against the big international companies

Yet another separata segment

Yet another separata segment

The spray painting of car bodies. Here again, although the major compressors, the lion's share tends to be won by specialists. The is air treatment and transmis- leading company is probably sion equipment, where Norgren. Devilbis, a subsidiary of Cham-

G.O.

We supply compressed air equipment to almost everyone in the book. 

The Compair group of companies is the land experienced and most innovative producer of compression equipment in the U.K.

Our strength is in our diversity: Five internationally recognised and respected names, synonymous with product quality in their respective fields.

BroomWade compressors and tools are used throughout British industry and in many countries abroad, providing power and productive resource to some of the largest and most respected manufacturing groups in the world.

Holman power plants and rock drilling machines are used worldwide in mining and quarrying operations, and on major construction projects of all kinds.

Hydrovane, famous for roadside compressors and industrial power packs, is the only compressor maker ever to receive the coveted Design Council Award for Engineering.

Maxam, "leaders in air control," provide the control systems and logic of compressed air technology. First

hst high performance compressed air is ed exclusively on all Royal Naval warships and is an included leader in both marine and environmental.

in systems. Renowned for range

The skill and experience of the specialists behind these products and those of our companies overseas cover every aspect of compressed air supply and control. That's why Compair sells two thirds of its products in highly competitive markets abroad. That's why Compair has the best marketing and customer support network available to the U.K. buyer or user of compressed air equipment.

That's why Compair is Number One to the Times 1000.

## SCREW

### Unlimited air compressed into a single name



The British member of the world-wide JOY™ organisation build screw, reciprocating and centrifugal air compressors to supply plant and process air for industry.

The range of JOY™ compressors covers 90 to 35000cfm, 'oil-free' and lubricated air, at pressures from 20 to over 750 psig.

### Joy Manufacturing Company (UK) Limited

It's more than likely that one of them could match your compressed air needs.

Ask now for literature.

Compressor Division

Peel Park Place, East Kilbride, Glasgow G74 5LN Telephone: East Kilbride (03552) 39121 Telex: 77368

-TM--Trade mark of Joy Manufacturing Company.

### Loyalties to compressor types

TALK TO APE-Belliss in Birmingham about plant air compressors and you will hear a powerful case for the recipro- asset. He suggests that comcating machine. "The reciprocat- panies which took on the screw ing compressor" says the com-pany, which has been building them for the past 75 years, "Still were reluctant to push it too has unparalleled efficiency as bard because they were afraid compared with rotary types, all of losing the spares business of which show a 20 per cent or associated with reciprocating worse sbortfall on running costs - a factor which can only strengthen the market position of the reciprocating machine as worlowide power costs continue

APE-Belliss, formerly Belliss and Morcom and since 1968 a subsidiary of Amalgamated Power Engineering, is best known as a producer of medium and heavy-duty compressors. It has a large share of the UK market in the 1000-2000 cfm range. Although it has been extending lts range downwards
— it now offers mechines with 300 cfm and 500 cfm capacity - it doea not make smell plant air compressors nor does it compete in portables. Being wholly committed to reciprocating compressors, the compeny devotes a great deal of effort to improving their performance. It has made a particular specialization of the manufacture of oil-free compressors for instrument air and process air applications.

Its reputation as a supplier of rugged and reliable machines has been enhanced by its success in supplying air power to off-shore platforms. APE Belliss has supplied more then 70 compressed air modules for the North Sea. These machines are capable of operating continuously in all weather conditions while providing oil-free air for instrumentation and control

For a different perspective on the industry talk to Mr. Peter Dau, president of Sullair Europe, the European effiliate of the fast-growing American company. Sullair is wholly committed to the rotary screw compressor, starting with portables and then moving in the late-1960s into the stationary plant (Clark). Thus it can claim to

Mr. Dau attributes much of

Britain's largest manufacturer of pressure vessels.

ment team, but he argues that the company's dedication to the screw machine has been a big as a supplement to their established reciprocating machines compressors. The screw compressor, having very few moving parts, has low maintenance costs and a low spares requirement.

Sullair bas been seeking to extend the capabilities of the screw both upwards and downwards-below 50 cfm where it is competing in the mass market for piston compressors, and above 2,000 cfm where it is up against the centrifugal machine. At present the screw is too expensive for the low-volume end of the market but Sullair is working on new rotor designs tive in the 10-15 cfm area. Sullair is convinced that for et least the next ten years there will be plenty of scope for enlarging the role of the screw compressor in the plant air

To complete the picture of the three main competing types nf machine, Ingersoil-Rand claims that its Centac line of centrifugal compressors has shown as impressive a growth in the plant air market as bas Sullair'a screw First introduced in 1966, the Centac compressor covers a range from 1250 to 15,000 cfm. Where large volumes of oil-freeair are required for continuousduty operation, the Centac is a atrong contender.

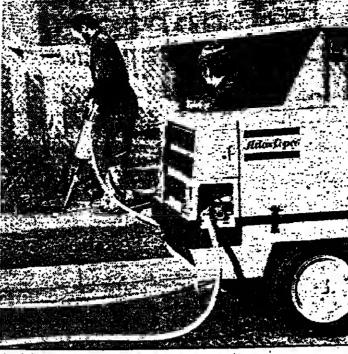
#### Choice

Unlike Sullair and APE-Bellis, Ingersoll-Rand is in a position to offer customers a choice of reciprocating, rotery-screw and centrifugal machines. (APE-Bellis does market centrications over 2000 cfm, but these machines are made by Dresserthe customer with exactly the package which suits Sullair's auccess to the entre-preneurial drive of its manage- bave to push one particular

Drury design & manufacture

to meet the standards set by

air receivers and pressure vessels



Atlas Copco's new XAS 40 paring breaker has a noise output of 75 decibels, to conform to many local authorities' regulations

design or type of machine. Joy Manufacturing, nne of

Ingersoli-Rand's strongest rivals in the U.S. domestic market, is in a similar position. It makes reciprocating compressors, which are designed to handle volumes between 80 cfm and 1100 cfm, screw compressors (90 cfm to 590 cfm) end centrifugal or turbo " compressors (1750 cfm to 35,000 cfm). The centrifugal machines, which produce oll-frae air, are widely used in the petrochemical and process industries, but the company sees a trend towards the edoption of packaged turbo-compressors for the provision of plant air; the reliability end low maintenence requirements of the units offset their higher capital cost.

'It will always be a matter for debate wbether the advantages of offering a broad line of products outweigh the bene-fits which companies like APE-Bellis and Sullair derive from specialisation. Compair, the leading British-owned group, has sought by acquisition and hy internal development to extend its range of products and thus serve most sectors of

**PROFILE: Ingersoll-Rand** 

the market—though it does not venture into the very high volume process applications.

Its BroomWade line of compressors for general industrial use includes small machines with outputs between 25 and 85 cfm end heavy-duty mechines delivering standard or oil-free air in outputs up to 3,260 cfm. At the top end CompAir's Reavell subsidiary makes high pressure (4,500 psi) reciprocating piston machines es well as centrifugal compres-sors with capacities up to 100,000 cubic metres per bour.

Similarly Atlas Copco, though it noes not manufacture a centrifugal compressor, covers a very wide spectrum with its reciprocating and marr screw machines. These range from the small Airlet machines with e minimum capacity of 4 cfm to the ZR compressed air, plants producing up to 12,000 cfm of oil-free air. The top-of-the-line ZRS machine, which is an oilfree rotary screw compressor, is in some applications a direct competitor to a centifugal compresser such es Ingersoll-Rand's Centac machine.

industry affords opportunities both for the specialist and for the broad-line supplier is that the choice of an air compressor, except perhaps at the hottom. of the market (small machines for the garage and repair shop), is not a simple matter. Each customer has his own particular requirements.

His choice of compressor will depend on what the air is used pletely oll-free, whether cooling water is available, whether there are special noise requirements, whether the demand for compressed air is regular or ntermittent and so on. These requirements can be satisfied in different ways by different machines and it is not simply a matter of buying the cheapest compressor available; like other. capital goods, compressed air plants are sold by engineers to

#### Delegate

The service back-up which the manufacturer can provide is also of vital importance. Atlas Copco has traditionally followed the policy of dealing direct with the customer (though it is making greater use of distributors in some segments of the market) and in the UK the front line of its sales and eervice operation consists of its 11 compressed air centres. It has recently introduced a new "Serviceplan" scheme, whereby nsers of Atlas Copco screw compressors can delegate to the manufacturer full responsibility for maintenance and repair under a fixed price agreement for up to 10 years.

Chicago Pneumatic ecently introduced its sincle screw compressors in the UK, backed by a three year warranty. CP is offering a 24honr, seven days a week breakdown service on the compressor unit. The new machine is being

One of the reasons why the assembled at a new factory in Corby, with the air ends made at another UK factory at Frazerburgh, Aberdeenshire; the first two models in the range produce 140 cfm and 185 cfm. The single screw is a development of the rotary screw technology on which several companies are working.

With the market in the UK growing slowly if at all, manufacturers have to find new ways. for, whether it needs to be com- of attracting business, either by pletely oil-free, whether cooling improving the product or by superior after-sales service. There is little they can do to enlarge the market itself. although new opportunities can sometimes, be seized. For example, Atlas Copco has developed a useful business in supplying portable compressors as standby units for industrial epplications. The PT series of oil-free rotary screw com-pressors, with capacities from 900 cfm to 1,500 cfm, is particularly suitable for this application. They are normally supplied through plant hire companies, for whom the industrial standby market is particularly valuable at a time of depressed activity in the construction industry.

Both in portable compressors: for construction and mining and in plant air compressors the industry's capacity is likely to be in excess of demand for some time: to come. Perhaps the most positive element in the market is that users, particu-larly large users in such fields as vehicle manufacture and the food industry, are becoming more demanding in the quality of compressed air and the efficiency with which it is sup-plied. This puts an even bigger premium on product develop ment and improved technical, performance. Those companies which can spread their development costs over e large volume of business may enjoy, an

that these are probably two of the worlds finest pneumatics products.

ITS NO SECRET

#### Refrigerated AIR DRYERS

Our international group of companies manufacture and market more retrigerated compressed air thyers than anyone size in Europe. Surprised?

Not only are we the biggest, but our units offer instrument quality air (to ISA 57.3/1975) with a maximum constant pressure dewpoint of 1.5°C. This is the best available from any refrigerated dryers we know of and we have a comprehensive technical sales service in the U.K., so find out more about us and our equipment now!

### **Ultra High Efficiency Compressed AIR FILTERS**

An innovation to accepted design exclusively available to our group, has resulted in the creating of a new generation of high efficiency hitters which utilise a specially pleated horosilicate microfibre. This range of filters, which capacity for capacity are around helf the size of the old standard unit, offer twice the normally accepted service life. We offer filtration to remove oil, dirt and odour to a quality widely regarded as the best available. Every filter is individually tested for an efficiency greater then 99-999%. If pneumetics is part of your world, then you will probably know of our eguloment. If you would like more information

ring 01-555 5437 and ask to speak to our specialists. Distributor opportunities avaitable.



LOBA (Industrial Products) Limited P.O. Box 7, London Et5 1JQ

Telephone: 01-555 5437 Telex: 897923 Cable Address: LOBA-LONDON



**Cylinders and Valves** 

**BE SHREWD-BUY BALDWIN** 

Choosing the right components for your system can have a

vital effect on down-time costs. And the shrewdest choice you

can possibly make is Baldwin's range of pneumatic cylinders

What's more, if we don't stock what you're after, we'll

it for you and provide you with duplicates, spares

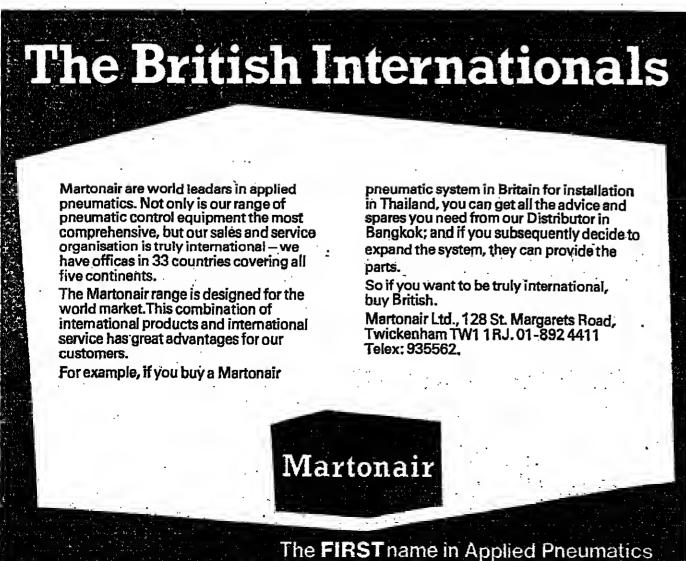
and replacements for just as long as you want, So if you want to forget about your down-time

problems, remember the name - Baldwin.

and valves because they all incorporate the very highest

standards for a long, trouble-free working life.

### the compressed air industry. Engineering Co. Ltd Bentley Lane, Walsall West Midlands WS2 8TN. Group of Companies.



### pneumatic tools. It was rock drilling which first took Ingersoll-Rand into

pressors followed. At the same time the exploitation of natural gas in the U.S. brought the company into process compressors. Ingersoil-Rand now has a broader range of compressor than any of its rivals. In stationary and portable air com-

product or market segment.

Although be recognises the advantages of specialisation, Mr. William Wearly, chairman and chief executive officer, is con-vinced that Ingersoll-Rand's diversity is a source of strength. We must carry on a large and consistent programme of research and development," be says, " and that means we must bave e stable, reliable base load of operations. Each one of the markets we eerve is cyclical, but we have diversified

### It is a high-speed machine using some of the same technology as jet engines, requiring edvanced metallurgy and sophisticated machining techniques. Used as a plant air compressor, it produces a lot of air with

minimum vibration and in a

compact configuration; it is especially suitable for high-

was a way of using the tech-

Despite the growth of rival

technologies Mr. Wearly is con-

offer plenty of opportunities in

the years to come. He accepts

energy into a drill with hydraulic power." Hydraulics

will make inroads in the drilling

business, but be points out that

hydraulic machinery is sensitive

maintenance as an aircraft—and

people are used to pretty rough

and ready methods in mining

Any losses which compressed air may suffer in this market

can be made up in other fields.

For example, Ingersoll-Rand has

developed a very substantial

business in soot blowers for

coal-fired power stetions - a market in which the company

"requiring almost as much

the plant air field.

developed for high-

"you can put more

Hydraulics

range

product

INGERSOLL-RAND is the lead- motor industry. The Centac line ing supplier of air compressors in the U.S. and has a strong position in the international market. In Europe it bas manufacturing fecilities in the UK and in Italy and is a major contender in most segments of the business.

Broader

Unlike its principal European the years competitor Atlas Copco of that in Sweden, Ingersoli-Rand has example, of that in rock drilling, for broadened its product range to include gas compressors for natural gas production and transport, petro-chemical plants and other process epplications. It is a diversified mechanical engineering concern, with important interests in pumps, needle bearings, gas turbines, locks and other machinery

Yet compressed air was a key echnology for Ingersoll-Rand when the company was taking shape in the early years of the century and it remains a substantial part of its business. The earliest products were rock drills used for construction work on Manhattan Island and this led to the development of e range of air compressors and

overseas markets: as new mining ventures became established, demand for pumps and com-

pressors, for example, it can offer reciprocating, screw and centrifugal machines, ranging from 10 to 15,000 horsepower. On the process side there are centrifugal and axial-flow units with capacities up to 700,000 cfm. But bacause of its interests in pumps, bearings and other products, the company is not over-dependent on any one

eoough to maintain a steady some of them based on com-

development which was influ- to enlarge its enced by Ingersoli-Rand's broad range of activities was the Centac centrifugal compressor.

#### has moved rapidly to a dominant market share. Attraction

and construction."

Will Ingersoll-Rand diversify even further? "We will want to broaden our base somewhat by ecquisition," says Mr. Wearley, but we will stay mainly in the mechanical engineering businesa." The aim is not diversifi-cation for the sake of it, but to find products and markets where Ingersoil-Rand can be a major force.

"We want to be very import-ant in the things we do, preferably market leader or no worse than No. 2. That was the attraction of Torrington, the world leader in needle bearings. a business which Ingersoli-Rand knew and understood At the same time Mr. Wearly

intends to push internal development as strongly as possible Although most of Ingersoll-Rand's businesses and technologles can be described as mature. the company stends to be one of the major beneficiaries from the enormous increase in energy investment likely to take place over the next few years. There will be demand for pumps, compressors and other Ingersall Rand equipment in oil and gas production, oil refining and gas processing, coal mining and electricity generation.

In 1978 Ingersoll-Rand spent \$64m on capital investment and \$82m on research, engineering and development. New products. One example of new product ing part in the company's drive pressed air, will play an increasmarkets.

## Baldwin Phrid Power Limited

Lowfield Street, Dartford, Kent DA1 2AD Tel: Dartford 26411 (STD 0322) Telex: 25236 ables: Baldwin Dartford

### DRYVENT

COMPRESSED AIR DRYERS

Hollygrove House, Staines Road, Hounslow, TW3 3NB, England

Telex 934581 DRYVNT :: Telephane 01-570 625!

### Safety and cost unmatched in industrial uses

ATE OFFICE TED tools for use which has a UK factory at Tyne ATEOPERATED tools for use which has a UK ractory at Tyne-wildin a factory cover a wide mouth, makes a wide range of special of applications. They electric and pneumatic tools range from the sophisticated which includes impact weenches, multisplicite installation on a grinders, but setters and marrension our assembly line to the simple screw drivers and nutrumners balancers.

naed in garages and vehicle repetitors in the state of district there is a move towards greater automation and com-plexity, leading to orders for inly engineered assembly systems rather than discrete assembly tools; these orders might be willned at several undred thousand pounds. But the great misjority of industrial customers continues to order predimeric tools in much have hit hard at the high-smaller quantities say a few volume, low-priced end of the dozen a year and this is the trade, particularly the garage bread-and-butter of the tool suppliers business.

P is the replacement of manual seront by power-assisted machines in assembly type operations which has been the basis for the growth of phenometic tools. Their safety, reliability and relatively low cost represent advantages which for most applications cannot be matched by any other sort of

Single-minded

The broad-line compressed air companies are major suppliers of industrial tools. Yet there appear to be no overwhelming advantages in being able to offer both the compressor and the tools; most users purchase the two types of equipment separately. In the UK the practice leader is Desoutter. Brothers, an Independent company which does not manufacture its own compressors. It has devoted itself single-mindedly to pneumatic industrial tools; it is believed to have about 40 per cent of the UK market and perhaps 12 per cent of the EEC market excluding the UK.

which does not make its own the heavy-duty or industrial compressors is Thor, part of the market and the light-duty or the American-owned Stewart garage market involving different Warner. Corporation. Thor, ferent tolerances and different

drivers, hoists and suspension

Rand, Atlas Copco, Chicago Pneumatic Tool, Compair, Gardner Denver and Aro. Most of these companies compete internationally, but the major European countries have their own national companies which have a substantial share of the

A new source of competition

in the last few years has been Japan, whose manufacturers after market. Chicago Pneumatic Tool, which has tradi-tionally been the leader in this market, has felt the brunt of low-cost competition. In his annual statement to ahare-bolders last year the president of the company, Mr. Thomas Latimer, commented: In auto service tools the established U.S. manufacturers have faced a large volume of imports at low prices, several of which were copies of CP tools. Some have cut back production or left the business in favour of importers and CP.

Mr. Latimer commented that the change in the yen/dollar relationship had helped to correct the situation and that profit margins had "modestly improved." Nevertheless, Japa-nese-made tools continue to be a significant factor at this end of the market, in Europe as well as in the U.S. Most of the major European and American compapies market some tools which are wholly or partly Japanese in

The erosion of profit margins at the bottom-end of the market bas provided an extra incentive for companies to go for products market excluding the UK. of higher added value. There is an important difference between

manufacturing Within the industrial market the major companies are seeking to achieve a technological edge over thair rivals. Atlas Copco, for instance, has moved strongly into multi-tool installations, Other major competitors in especially for the motor industry: a recent large order was for the new Ford engine plant in South Wales.

Similarly Thor bas developed its PAR system which combines an air-driven nut setter with an electronic module; this monitors the torque being applied to the fastener and automatically shuts off the tool when specified limits of torque and tension bave been reached.

Tools have had to be redesigned and made quieter to meet new noise requirements. interval between major new product introductions has been shortened. Electronic controls are playing a bigger part in the business. As in other parts of the industry, the appli-cation of electronics to compressed air power bas become an essential element in the product companies'

ing equipment the same trend

a rival technology - bydraulics, mechanised underground rock- both to this side of its activities Hydraulic systems provide a drilling rigs in key territories and to the U.S. market is remore efficient method than outside Scandinavia and the flected in the recent acquisition compressed air for transmitting Comecon area. In this way the of Jarva in the U.S., a specialist power; they have a higher out- British group has not only pro- in full-face tunnelling techput in relation to their size tected its flank against the niques.
and they are easier to silence, growth of hydraulics but, more Despi On the negative side they are more sensitive than compressed air systems. Their maintenance costs are higher and they are less suitable for operation in dirty environments where contamination can damage the components and cause breakdowns. Nevertheless, it has been own range of hydraulic comclear for some years that

#### Reputation

joining it.

CompAir's Holman range of hard-rock drilling equipment has enjoyed a high reputation in mines and quarries for nearly a century. But CompAir needed In contractors' tools and min- to supplement Holman's comtowards higher performance and involvement in bydraulics. So new series of hydraulic drills, greater sophistication is a long-term agreement was mounted on riss, have been deapparent, but here the com- negotiated with a Finnish com- veloped both for underground

positively, gained access to the know-how and development resources of a successful specialist in the application of hydraulics to mining.

Atlas Copco has made a large investment in developing its ponents and machinery. One of hydraulically powered equip its subsidiaries, Monsun-Tison, ment would play an increasing is responsible for the development in mining and construction ment and manufacture of both tion; hence the compressed air pneumatic and hydraulic components and systems; it supplies specialists have had to adjust hydraulic components both to to the competition, usually by outside . customers, such as mobile crane manufacturers. and for use in Atlas . Copco equipment.

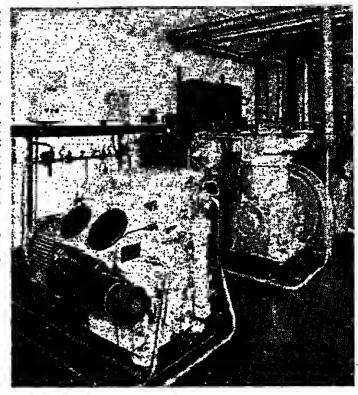
Atlas Copco MCT, the subsidiary responsible for mining and construction equipment, has been making strenuous efforts to establish a position of market to supplement Holman's com- leadership in hydraulic rock pressed air technology with an drilling, especially in the U.S. A

pressed air industry has had pany, Tamrock, whereby Comp. and surface drilling. The imto contend with the inroads of Air companies would market its portance Atlas Copco attraches

Despite the growth of hydraulics there will still be a substantial demand for pneumatically-operated equipment such as paving breakers and other contractors' tools. Apart from Desoutter, most of the leading industrial tool manufac-turers are also prominent in contractors' tools, with Thor. in particular, bolding a strong market position. In this business there probably are some marketing advantages for a company which can offer both portable compressors and the tools which are designed to match them; in the UK the plant hire companies are important distribution channels for both types of equipment. Companies like Thor and John Macdonald, which do not make their own compressors, have to convince the customer that their machines offer advantages in performance and reliability over what is available from their

"integrated" rivals.

**G.O.** 



This CompAir Reavell VHP36 compressor at McKechnie Metals works at Aldridge, Staffs, is used for charging

## Sooner or later, they all start comparing theirs with ours

It's one of the facts of life that in the compressed air game everyone follows the leader. It happens all over the World-that's where we're pretty big-throughout the World. In fact we're the biggest and that's why everytime someone comes up with something they're very proud of, they naturally compare it with one of ours-the best. We don't mind, it's very flattering so long as people don't get the wrong ideas. That's why we'd like to take this opportunity to put a few facts straight.

- More than 100 years compressed air experience.
- Products built to one World-wide standard.
- The widest compressor range.
- Quality products for professionals.
- World-wide network of local specialists.

The truth is-there's Ingersoll-Rand, then the rest. Really, there's no comparison.

### Ingersoll-Rand BOWATER HOUSE, KNIGHTSBRIDGE, LONDON, SW1X 7LU TELEPHONE: 01-584 5070 TELEX: 918813/4

Air power equipment beyond compare





CENTRIFUGAL RECIPROCATING

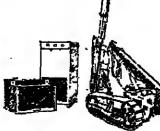
COMPRESSORS COMPRESSORS COMPRESSORS











DRYERS

### **PROFILE: Desoutter Brothers**

### Decision to resist takeover

hairman of Desoutter Brothers, believes that his company can do a better 10b for its customers independent shift by concentrating single-bandedly on the-manufacture and sale of pneumatic power tools for

That was the argument against the take-over bid from CompAir in 1876. The hid was entirely logical from CompAir's point of view: it saw the acquisition of Descutter as a means of greatly enlarging the volume of its industrial tools sales and thus of strengthening an important segment of its business. At the same time it argued that Descutter would henefit from the bigger financial and technical resources available to a

Desoutter, aided by the sub-stantial family shareholdings, successfully fought off the bid. its performance in the next two years certainly seemed to justify the argument for independence. Presex profits cose from £1.7m in 1875 to £2.6m in 1976 and £3.8m in 1977, before slipping slightly to £3.4m in 1978.

The outcome of the Compair bid has reinforced the manage-ment's conviction that the strategy of independence and or specialisation is the correct one. Other big companies in the compressed air business continue to look enviously at Desoutter's volume and market share and wonder whether one day the namy will prefer the security of being in a larger group.
The company was founded in
1914 as a parinership manufac-turing artificial limbs. Later the business was extended to make

Constant

er, 1827

Te . 1948 . 5 . 195

CHE WILL

T COMPLETE

and self a pneumatically-operated hand drill which riginally had been developed for the company's own use. Descutter Brothers became a pioneer in pneumatic industrial tools which proved to be ideally suited for eliminating or reducing manual effort in a wide variety of manufacturing and assembly industries.

After the second world war the manufacture of artificial limbs was discontinued. Since then the tendenty has been for Desoutter to become more specialised rather than less. It has, for example, gradually phased out production of electric tools which in the 1930s represented as much as 50 per

In the late 1950s Descutter ventured into pneumatic controls with the purchase of Lang, but the management found that it could not devote sufficient, attention or invest-ment to a product which was different in manufacturing and marketing techniques from industrial tools. In 1972 Lang was sold to Sperry Rand, which was looking for a pneumatic

its strong position in up its sales there. Descriter has always believed

in close contact with the customer. All but about 5 per cent of its tools are sold direct to the user, not through distribufors. Desoutter's sales engineers based at the company's head-quarters in London or at branches in Birmingham and Manchester, provide the vital link with the many thousands of industrial customers, (Desoutter is only concerned with tools for use within the factory; it does tools, unlike most of its

### Willingness

In the UK industrial market Desoutter has an estimated 40 per cent of the business, while in the garage trade or market it reckons to be in second place behind Chicago Pneumatic Tool. By far the largest part of the company's business is in industrial tools, which are handled by the Descriter Ltd. subsidiary. A separate subsidiary, Descriter Automotive, serves the garage

Although most of Desoutter's tools are standard products—or at least built up from standard components—it seeks to reinforce its service to the customer willingness to make specials " or " semi-specials."

One of the keys to Desoutter's ability to retain its large share of the market lies in the volume of its production. While at the top end of the market—the sophisticated multi-tool installations required by the motor mannfacturers price may not be the determining factor, it is important in the regular indus-trial business which provides the bulk of Desoutter's turn-

Desontter bas a bigger scale

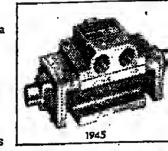
of production than any of its competitors in the UK and probably in Europe. It has two factories in North London and another at Angmering in Sussex which is being developed to handle the larger batches on a small factory in West Germany making special purpose tooling. Reeping the batch sizes up and the costs down is a constant priority; new antomatic profiling machines are being installed in the main London factory to increase the speed and accuracy of machining operations.

Like its fellow specialist Martonair, Desoutter Brothers was early to see the need to develop sales in Continental Europe. The German subsidiary was formed in 1963 and the company also has subsidiaries in Italy and Austria. Descutter reckons to have about 18 per cent of the German market and 12 per cent of the total EEC market excluding the UK.

The same approach to selling through the company's own sales just over £7.3m in 1978 and overseas business represented nearly two-thirds of the company's total turnover of £19.6m. Western Europe is easily the most important ontlet, but the company has a subsidiary in the controls business to complement U.S. and is gradually building

After 35 years experience producing Lang and Lucifer products, Sperry Vickers stands as a leader in power pneumatics and general purpose valves. But this is not the time to rest

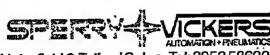
Today the Company is confronted by technological advances es dramatic in effect as the first Industrial Revolution.
The speed of these advances presents us with challenges quite as



severe as those we met in our postwar pioneering days. We are meeting these challenges by developing new generation products applicable to machines controlled by micro

circuitry; to systems activated by radio signals. Sperry Vickers have made it. Sperry Vickers will make it.

processors and computerised



Halesfield 6, Telford Salop. Tel: 0952 586000 Sperry Vickers is a division of Sperry Corporation.



Airflow cooled 2, 3 and 4 stage compressors, normal working pressures 13 bar up to 19 litre/sec. 69 bar up to 11 litre/sec. 345 bar up to 9 litre/sec. receiver mounted sets for workshop air, bedplate mounted packages for diesel engine starting and charging stations with efficient filtration supplying pure breathing air to International Standard for BA bottle charging.



BRISTOL PNEUMATIC LIMITED

Lodge Causeway, Bristol BS16 3JS. Tel: 0272 657511. Telex 44641,

### Pneumatic controls

IN THE general excitement substantial industry has grown is Parker Hannifin about the "micro-chip" revolu- up to manufacture and market There are numer tion it is sometimes forgotten that for many manufacturing processes pneumatic controls still provide the most effective and most appropriate form of automation. Compressed air was first used to move or clamp workpieces in machining operations, but pneumatic systems have since been extended to a very wide range of manufacturing activities-particularly where labour is being osed to move, hold or form material. repetitively.

The "muscle" of the system is the cylinder, which converts the energy in compressed air into mechanical work; a typical application is to lift and transfer material from one conveyor to another et different levels. The cylinder is the actuator which drives the system. The other key components are the directional control valves which distribute air to the cylinder and the sensor which supervises the operation of each work cycle.

Thus pneumatic controls consist of a kit of components which can be fitted together in a variety of ways to suit a particular manufacturing operation. They provide low-cost automation and have the further advantage of heing able to withstand a wide range of tempera-lures and environmental conditions: the equipment is rugged

During the post-war period a

pneumatic controls. In the UK company is Martonair. Its principal challengers in the UK market are all subsidiaries of larger groups. One is Enots, based in Lichfield, which since 1971 has been e subsidiary of IMI (formerly Imperial Metal Industries) and is now one of e number of companies that make up IMI's finid power group. IMI Enots makes a wide-range of cylinders and valves for pneumatic control purposes; it also has a separate and substantial husiness in compression tube fittings used in pneumatic

#### circuits. Leader

Another is Schrader Bellows, a subsidiary of Scovill, the U.S. UK factory is at Cannock in continuing technical advice.
Staffordshire. A third major Some people in the business contender is Maxam, part of believe that the market for components. Lang, based in power components and systems of the economy.

companies in the field. Some of and probably in Western the hig compressed air groups. Europe as a whole, the leading also manufacture pneumatic components both for their own Copco's Monsun-Tison subsidiary sells hydraulic components under its own name and pneumatic equipment under the Atlas Copco name.

About half the business consists of sales to OEM (original equipment manufacturers) customers. They incorporate the pneumatic controls into their own equipment - say a packing machine or a conveyor, or e mixing machine which is then sold to end-product manufacturers. The other half consists of sales made direct to the end-

Close contact with both sorts of customer is essential, not only engineering group. It is the to-ensure adequate spares and leader in the U.S. market: its service support but to provide

CompAir, with plants in Corn-pneumatic controls may have wall and et Uxbridge making matured in the past few years. cylinders, valves and other. The suggestion is that the mannfacturers enjoyed impressive Telford, was acquired by Sperry growth rates in the 1950s and Rand in 1972 and forms part 1960s but now that the most of the Sperry Vickers division: obvious opportunities have been Lang's pneumatic controls and exploited and other forms of systems were seen as comple-mechanisation and antomation mentary to the Sperry Vicker's are gaining ground, the indusstrong world position in try will have to content itself hydraulics. Another major U.S. with an increase in demand owned manufacturer of fluid tied more closely to the state

is Parker Hannism.

There are numerous smaller branch of the "fluid power" industry hydraulies is grow ing faster than pneumatics Where higher power is required hydraulic components bave use and for outside sale. Atlas clear advantages. Yer Martonair in particular does not share the view that the pneumatic controls business has matured.

#### Competition

This company argues that hydraulics serves a different market and is not e direct competitor, there is a small overlap at the bottom end of hydraulics and the top end of pneumatics. Some companies, such as Sperry Vickers and Parker Hannisin make both hydraulic and pneumatic systems. Martonair itself is on the fringes of the hydraulies business—it makes and sells its own hydraulic cylinders in Germany-but sees no way of competing against the established makers of hydraulic pumps and valves. It sees ample scope for growth in its own area of specialisating.

Pneumatic control remains simple and economical means of taking the skill and labour out of manufacturing operations within the factory. If pnen-matics is adequate to do the job, there is no reason to turn to hydraulic systems, which cost more and have more complicated valving and higher



Take off into new heights of productivity ... on our wings

We are masters of the air, supplying high performance

pneumatic components through a dependable, internation a

ground force: Scientist our service. And come through vourse

Schrader Bellows Division

Tel: Carinock 2644 110 knost feles 336150

schrader bellows

AIR CRAFTSMEN FIRST-CLASS

From a company with over 100 years' experience in compression. offering a worldwide sales and complete engineering service for the supply, installation and commissioning of compression

CONGRATULATIONS TO THE BCAS ON ITS "GOLDEN JUBILEE" Bryan Donkin single and multi-stage centrifugal; reciprocating and Roots-type machines are successfully employed in the gas, steel, mining, chemical and process industries and for sewage treatment, pneumatic conveying and desalination applications.

### Bryan Donkin Co. Ltd.

CHESTERFIELD, S40 2EB, ENGLAND Telephone 0246 73153 & 70151 Telex 54139 A member of the HOPKINSONS HOLDINGS Group of Companies

inal

### Treatment equipment snags

THE EFFICIENCY of a com- tion to avoid corrosion and wear cators. This company, based in other. Enots is a well-estabthe system. Hence compressed pensed at the right item. air filters are needed to separate water and uowanted particles from the compressed air.

Another problem is that changes in the air consumption and variations in compressor pressure can impose strains on the system, causing unnecessary wear on the components and reducing the performance to nnacceptable levels. To deal with this problem it is normally necessary to install pressure regulators to reduce the high variable primary pressure to a lower constant secondary pres-sure adapted to the needs of the working unit.

if impurities are allowed to clog, amount of oil required is disture in Japan.

These three items of equipment-filters, pressure regu-lators, and hibricators—form another segment within the compressed air Industry, the manufacture of air-treatment and transmission equipment.

#### Specialise

As in most other branches of the indostry, the major companies have an important stake in this part of the business. CompAir, for example, acquired in 1978 a U.S. business, Watts Fluid Power, which specialises The compressed air system in the manufacture of filters,

pressed air system can be on the components. Direct Maine, also has interests in seriously impaired if there is lubricators are normally in Canada, the UK and West too much water in the air or stalled to ensure that the exact. Germany, as well as a joint ven-

> Yet it is a specialised sector of the compressed air industry and the specialists have a substantial share of the market. Enots is part of IMI's fluid power group, claims to be the filters, regulators and lubrisystems and for the protection of compressed air equipment.

:IMI: saw in fluid power a sector of the engineering industry which was likely to grow considerably faster than aver-It has coocentrated particularly oo the components which are used between the compressor and air receiver at needs efficient Internal lubrica- pressure regulators and lubri- one end and the air tools at the

A strong

share of

MR. C. D. P. SMALLPEICE, the founder of Martonair Interna-

tional, was a machine tool man and one of the first to see how poeumatic controls could im-

prove the performance of

machine tools.

He founded the company in 1949 — it was named

after Marton, near Rugby, the town to which Smallpeice's business had been evacuated during the 1939-45 war—and he soon

realised that pneumatic controls

would have applications far be-

youd the machine tool industry.

After selling his machine tool

business to Alfred Herbert, Smallpelce began to find custo-

mers for pneumatie controls in

a variety of industries, especially where repetitive operations

were being carried out by hand.

H. J. Heinz was an early cus-tomer and the car manufac-

turers hegan to use air hoists

for haddling eogines on their

Thus Martonair was present

at the birth of the pneumatic

cootrols industry and it made good use of its early start. In June 1950 a subsidiary

in Holland was set up, the first venture in Continental Europe, and in 1956 Martocalr took the

important-decision to go into Germany—a market which now accounts for about 25 per cent

It was its determination to expand in Europe which

helped to give Martonair its

wide spread of customers and,

most important of all, its

volume of production—two fac-

tors which have enabled the company to maintain its posi-tion of leadership in the busi-

assembly lines.

market

PROFILE: Martonair International

and cylinders, while Norgren is an acknowledged brand leader in air treatment equipment with its "plug-in" range of filters, regulators and lubricators.
Norgren International, formed in 1973, looks after sales of IMI fluid power products in Europe IMI Norgreb, which like IMI and administers IMI's own network of pneumatic stockists in the UK. The American comworld's largest supplier of pany, C. A. Norgren, based in Colorado, is one of the leading manufacturers of pneumatic equipment in the U.S. companies

specialise in air treatment and transmission equipment include Denco Miller and Deltech in refrigeration compressed air drying equipment, and Durapipe in plastic pipe and fittings.

**G.O.** 

## Accessibility is one way Elliott PAP PLUS plantair compressors keep life-cycle cost low.

+ Accessibility saves time . . . encourages preventive maintenance. Horizontally split gearbox, bearings, and seals mean that in a single 8-hour shift, you can remove the top of the gearbox, Inspect the bearings, seals, and gears-and reassemble. Without disturbing the rotor or any piping.

+ And in this "maintenanceminded" machine, there are no buried components. The gearing, intercoolers, aero parts, lube and control systems are each indepen-dently accessible. Makes it easy!

+ Other PLUS features of the PAP PLUS that help keep life-cycle cost unusually low are:

No foundation needed. No chockblocks, holddown



in place. (PAP PLUS has selfsupporting baseplate with four adjustable rubberfooted steel pads.)

bolts, or shims. No grouting

Few rotating and stationary parts for better reliability. And, because this is a centrifugal, the only close-clearance parts are the bearings, seals, and gears.

Control system provides truly efficient part load operation and prevents overloading motor in cold weather.

Write us for a copy of our informative bulletin. Eliott Turbomachinery Limited. Knightsbridge House, 197 Knightsbridge, London, SW7 1RB, England. Telephone: 01-589-8111.





Elliott

With the volume that Martonair now enjoys, it is not at all easy for its rivals, let alone oewcomers to the industry, to eat into its share of the business. In geoeral, it does not rely greatly on patent protection, but it has a wide range and er of products which is heing U.S. ded. If the customer is an

(original manufacturer) and Martogair valves and cylinders are designed into his product, only a serious failnre on the part of the supplier will cause him to

switch to another producer.

Martonair supplies its overseas customers partly through direct exports from the U.K., partly through local manufacture. In Germany, for instance, there is a staff of about 350 people engaged in manufacture, engineering and sales. About 60 per cent of Martooair's sales in Germany are of locally-manufactured products.

Most of Martonair's international competitors are subsidiaries of larger and more diverse organisations. Mr. Cart-wright believes that specialisation has been an important source of strength for Martonair. Its growth has been mainly organic, with acquisitions playing a small role. It has not scoght to huy up rival pneumatic control manufacturers, because their products would duplicate its own. It has been reluctant to diversify, except into areas which are complementary to its established pneumatic controls husiness.

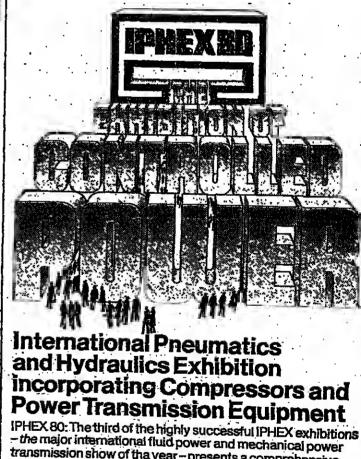
### Long life

Thus in 1978 Martonair acquired Anstin Beech, specialised manufacturer neumatic metal-to-metal, spool to-sleeve valves. These are specialised products used in high-volume applications (such as food processing and packag-ing) where reliability and long life are essential under difficult working conditions.

Although more than two thirds of Martonair's sales of total turnover and profit.

"At that time the Germans were not very antomated," says Mr. Ronald Cartwright, Martonair's chairman and managing director, "but they took to it very quickly and the market is now much bigger than that of the UK." come from Continental Europe, in the last few years steps have been taken to strengthen the sales organisation which had been somewhat neglected in the drive for overseas business; new branches have been set up and a more intensive sales programme launched. In the year to July 31, 1979, Martonalr reported pre-tax profits of £5.7m on sales of £36m, compared with £5m and £30in respectively in the previous year.

One huge market in which Martonair at present has a very small share is the U.S., although the Canadian subsidiary does some business there. A frontal assault on the established American manufacturers is not contemplated, but Martonair is examining ways in which it can provide a more effective service to its OEM customers in Europe many of whom have machinery and equipment operating in the



transmission show of tha year - presents a comprehensive array of equipment, sarvices and technology from this vital, dynamic field, so essential to the world's manufacturing industries.

Drives, transmission, pumps, motors, pulleys, gears, filters, cylinders, controls, compressors, clutches, brakes, belts, bearings, seals and valves - just a few of the main component groups. Whatever you require in the area of fluid power and mechanical power transmission will be on show at IPHEX 80. IEA/ELECTREX, the major electronics and electrical exhibition is staged concurrently in adjacent halls.

IPHEX 80 has been designated the European event for 1980 by EUROTRANS & CETOP and is sponsored by the



Association of Hydraulic Equipment Manufacturers, the British Compressed Air Society, the British Gear Manufacturers Association and the European Committee of Associations of Manufacturers of Gears and Transmission Parts.

25-29 FEBRUARY 1980 NATIONAL EXHIBITION CENTRE, BIRMINGHAM.

Blenheim Court, Solitiull, Westi	irs Lid. Radcliffe House
	MidlandsB9I 2BG.
	on and Modificato LacelAS
Name	
Position	· · · · · · · · · · · · · · · · · · ·
Company	
Address	Color of the second
Server Server	

### THE MANAGEMENT PAGE

### **Enterprise agencies** grow through UK

BY JOHN ELLIOTT

Symblems by large companies London Chamber of Commerce. needed service, according to been more directly involved in providing help for the 40 or so handled by the

derecoped in Manchester, happens, expert outside consul-Birmingham and Leeds, and are tants are needed. One of them being considered in Bristol and helped a small plastics company design constructed in business these tackle a stock control problem institutives involves large comby lending some of its organisation with regional tion and methods experts, development, including reinitially for a week and then for generating inner city areas, as lafer visits. wall as simply helping small

The London Agency was ited by nine large companies and the London Chamber of Commerce to channel help to small businesses. It has now processed several bundred routine inquiries as well as handling 40 or more substantial cases and organising conferences and courses.

One particular discovery has among large firms in spinning off unwanted subsidiaries to employees, who then run them in their own right as independent businesses.

This is not a new idea, but number of large companies have developed a fresh interest

in the possibility.

Examples of activities hived off to this way include a market research consultancy, two printing businesses, and an office. cleaning service.

In each case the business was peripheral to the large com-pany's main operations and should now be more effectively daveloped by its new owners, who are often given the initial security of a long-term contract from their former employer. The main work of the London

Agency has been beloing small businesses with a wide range of problems, using the managerial resources of its nine backers-Barclays Bank, Midland Bank, the Industrial and Commercial Finance Corporation, BP, GEC, Shell, Marks and Spencer, IBM and British

DEN JUBILE

Ltd.

LAND

ex 54139

The three financial concerns struction, GKN and Lucas Indushave been specially sensitive tries. Co-ordinated by the Blrmabout not giving the Agency's ingham Chamber of Commerce, clients special terms, and about it aims to help with inner city not trying to cream off the best as well as small firms' problems husiness prospects. They have and will be drawing up a work therefore mainly contributed to programme later this month. | and the MP's accusations about develops one manager is pulled

THE IDEA of small businesses the agency's work by helping to being helped with their build up the staff of nine who technical, financial and other work in the headquarters of the

Enterprise Agency, which was main cases handled by the Aprilar projects are also being the belo unless, as sometimes

> Another company helped a theatre lighting manufacturer solve a technical problem which enabled it to obtain financialbacking, while another accom-modated a leather goods manufacturer on one of its loternal training courses.

Businessmen have also been advised on how to start up companies manufacturing industrial safety equipment and electronic products, while one or two conheen an increasing interest sumer goods manufacturers have been helped with their market-ing problems.

The large companies provid-ing this help-initially had a variety of social, economic and This is not a new idea but political motives for becoming the London Agency reports that involved in the agency last April.

One practical benefit they have gained is that the people they have sent out to the small businesses have been exposed to e type of operation which they could never experience in their normal work.

There is therefore a useful training element in the exercise, even if some of the people involved have found it difficult to adjust to the considerably different and more independent life of the small business, which does not have the great mass of expert departments to help the manager do his job.

The next agency to get under way is likely to be the Birm-ingham venture which is hacked hy three hanks—Barclays, Mid-land and National Westminster, along with Cadbury Schweppes; Birmingham Post and Mail, Delta Metal, R. M. Douglas Con-

PIETER JOHNSSON, general manager of one of Gulf Oll's largest European operations, was in for a had day.

Just before seven in the
morning a Gulf tanker ran
aground on a sandbank six

miles offshore. One of the tanks containing 5,000 tannes of crude ruptured, and a slick was spotted heading towards the beaches of a major tourist resort. It was a spot charter sailing under the Liberian flag. Johnsson reached his office just after 8.30, and within minutes had a radio station demanding an interview. Gulf is far from popular among many members of the public, who see

it as a multinational which ruthlessly exploits local resources. and also as a major source of pollution. Johnsson agreed to let a eporter come and see him to

ask questions on polintion, the effect of the slick on the tourist trade and the implications for the nearby wildlife sanctuaryas well as the possible threat of nationalisation—an issue of growing political interest.

He had scarcely put the

phone down when the mayor of the threatened town phoned to demand an audience, in the company of a deputation of officials from the tourist trade. Again he agreed to see them. journalist or the mayoral depu-tation had arrived the local Member of Parliament was on

the phone in a fury over an interview with Gulf's head of research which had appeared that morning in one of the leading national papers. Leaded petrol

harmless

In high dudgeon, the MP complained about Gulf's claim in petrol were harmless and presented no risk to health. The radio reporter arrived

and gave Johnsson a hard time. How much oil? Why had Gulf not taken immediate action? What compensation would Gulf offer to hotellers who tourist trade hecause of the pollntion? What safety measures are taken to stop spillages occurring? Was the tanker Inspected by Gnlf hefore is was chartered? Is it true that the detergent heing used to clear the oil slick was more harmful to wildlife than the oil alone? Did he agree the slick would devastate the catches of the in-shore fishermen? Did he not agree there should he greater government scrutiny of oil company operations?

By the end Pieter Johnsson was sweating. But the mayoral deputation was to he worse. By now, because of the oil slick, the argument about lead

A day of unmitigated disaster the pollution of land as well as the sea, Gulf oil, as one of the "Seven Sisters," was the major

news Item of the day. At very

short notice Johnsson had to

turn out to face a television

interview - which was tough.

and drew together the various

As if this was not enough, at ahout ten o'clock a news flash on the local radio reported that a Gulf road tanker had crashed into a house in a picturesque village. That very morning there had been a letter in the newspapers complaining of the heavy traffic through the village, particularly from a Gulf refinery.

When you learn that the accident destroyed the cottage of a hlind old age pensioner and killed her guida dog you may — if you had not already — begin to doubt whether ona company could have so much misfortune in one day. But you have heard nothing yet.

The incidents were in the fictitious European country of Orbia. The role of Pieter Johnsson was played successively by senior managers from various Gulf subsidiaries in Europe, undergoing training at the end of last year in what the com-pany calls "crisis manage-ment." They can hardly have enjoyed it.

Each evening for a week groups of about 30 senior managers were flown in from all over Europe to a hotel near London's Heathrow Airport. They were quickly handed a 21 page briefing on the mythical Orhia; its geography, its economy, its politics, its forthcoming election end Gulf's position there (not very favourahle). They saw extensive colour slides as well. They had only the rest of the evening to familiarise

themselves with all the details. hreakfast, they receive a news-real thing, but certainly the paper, the influential "Orbla mock press conferences were it is suspected that terrorists small group of actors working are involved. Other stories in- loosely to a script, although one lessness of lead in petrol by asides to throw the most confid-Gulf's head of research, and the ent of men. letter on the heavy traffic through the village.

By 8.30 the hapless managers are wheeled into a large, sub-terranean room with a mock-up



out from the group to become Pieter Johnsson, the general and defend Gulf's position. They have no warning that they will be called up; they have only a few seconds to marshall their thoughts; and they will have matron of the hospital wanted only just received the facts to know about it. The local press about the latest crisis on an got the story. The hoy's solicitor information sheet.

I cannot compare tha mock Next morning, et an early mayoral deputations with the Telegraf," dated April 7, 1980, markedly more ahrasive than is patitors' prices, Was this typical The lead story is of a freight normal. The journalists and train which has been blown np; dignatories were played by a clude that feature on the harm- of them had a line in vitriolic

The result was often highly entertaining, except to the poor managers who had to find a defence to some very difficult circumstances. One of the organisers commented that in and are surrounded by TV monitie mornings you could almost tor screens. As each crisis smell the participants' fear. The incidents at the crisis

seminar were to get worse. A small boy had convulsions after eating the head of a promotional puppet given away at Gulf petrol stations. Was it toxic? Who made it? Who tested it? Was it not irresponsible? The uncle threatened to sue. An angry account-holder phoned to know why Gulf petrol

BY JASON CRISP

was heing sold at filling stations for 10 per cent more than com-"Seven Sister" profiteering from OPEC price increases which had not come through? By the afternoon session the situation for Gulf in Orbia was

mayhem. There had been a major explosion in the refinery, with a number of Gulf employees killed, the fire was was spreading towards the chemical complex, a local village was to be evacuated, and ahout 60 journalists wanted to talk to

it was certainly shared by the others: "Isn't it our joh to put the fire out and not waste time talking to bloody journalists?"

The immediate reply was: "By not involving the media you can create a greater disaster. You must try to get the media on the side of the manager. And when trouble strikes they don't want to deal with the PR man; there comes a time when 'Mr. Gulf' has got to get up there and he answerable."

Whether the managers liked it or not, they were told, each of the crises was a major "story." The journalists would get information anyway from another-and less well informed - source.

The purpose of the day's programme says the organisers, is not to teach the managers the techniques of dealing with irate phone calls, indignant delegations of dignatories, impertinent journalists, or tha television in-terviewers, but to change their attitude towards them, and to be prepared for them. Specific training, in such things as tele-vision techniques, are taught at special courses. "The lesson is that executives

must be aware of the issues, the problems and the public attitudes in the environment in which you operate;" says Tim Traverse-Healy, the public affairs consultant who, as the day's master of ceremonies. bullies, criticises and then cheers up the managers. "You are in husiness by consent of the public. Make no mistake you need them. To stay in husiness you need profits and to make profits you need revenue. To get a revenue you need to make sales and to sell something you need a public."

The Gulf managers had to be more politically aware, they were told, hecause companies in arms, aircraft and oil are now very publicly exposed.

Their performance varied greatly. Many would have been pretty disastrous if they had heen for real. This was partly because of lack of technique and also hecause of the environment; they were isolated from their normal staff support and could not demand information from ohliging suhordinates. Nor does it help to have a large roomful of people ready to laugh at mistakes.

Some techniques were picked up as the day went on—they learnt the importance of

need to find positi e points to put o.er.

Reminded how politicians will always rush to the scene of e disaster, some Gulf managers too began to say they were

going into the area, to deal

with the problem directly. The difference between public attitudes and those of Gulf managers-the Gulf gulf?-was neatly demonstrated over the pricing of petrol at the pump. Tha managers tended to tell the irate eccount-holder that two thirds of their stations were dealer-operated and therefore the company could not control the price. But as was rightly pointed out, the public sees a great big Gulf sign outside the station and naturally concludes that it is the multinational which is profiteering at their expense Of course, tha public might be

What did Gulf actually hope to achieve with these exercises? sive. --- considerable production and television equipment, professional television interviewers, extensive scrlptwriting, consultancy fees, manflying the people in from all over Europe.

#### Insurance policy

According to Peter Hamilton, head of Gulf Public Affairs in Europe, there were two main objectives. One was to familiarise the managers with the sorts of problems that might crop up for the company.
"But above all we are trying

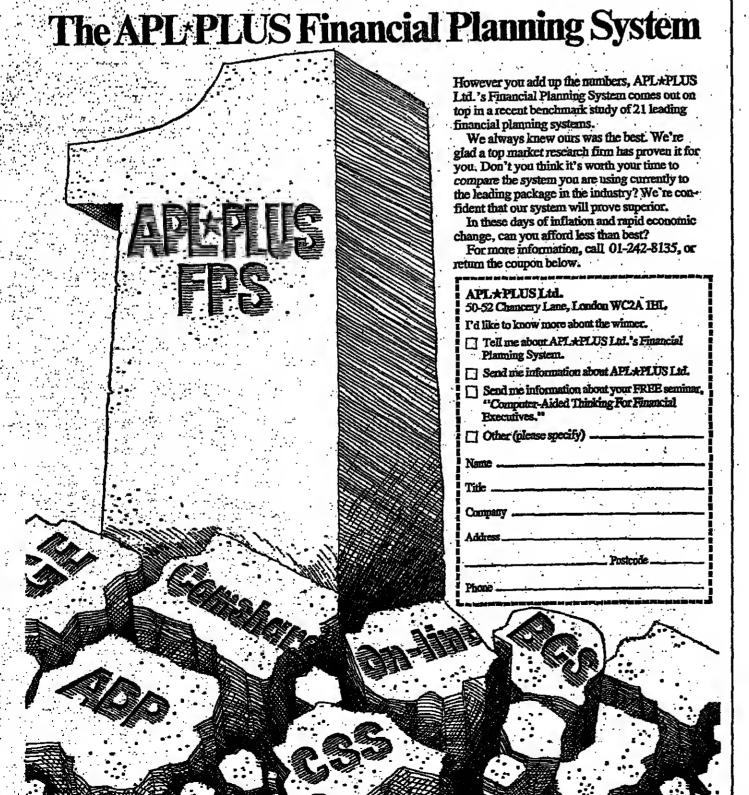
to stress the importance of preplanning to handle a crisis. We impress time after time the need for good corporate affairs, and that it is important for Gulf to have an integrated relationship with a community.
"It's a hit like an insurance

policy. If you have speot time and effort developing your relationship with a community. if something does go wrong. then people will he much more likely to help you solve it than just shoot you down for it." After nine hours without a

hreak-over a quick lunch they all had to be ready to give a five minute s sech on the hene fits of multinationals to Orbia -the managers looked weary. As a number of them piled into the lift, one of them broke the the general manager.

Only then came a cri de coent for the wellbeing of those flat voice: "I suppose that was from one participant — though injured in the crisis, and of the quite interesting."

### Finally, a financial planning system that's proven number one.



## What do you get up to on Sunday mornings?

It could so easily be The Sunday Times. Make sure it is, by handing this coupon to your newsagent.

THE	SUNDAY TIMES
Please delive	r The Sunday Times every Sunday
Name	
Address	

16

### The Think Tank has a role

BY DAVID FISHLOCK

A SENIOR civil servant with the nuclear Secretary-loyal to his profession, he would not name himwho helieved firmly both in ing objects. It certainly opened my eyes to some of the hazards inherited it, by the oil majors, those "faceless officials" in might have afforded a non-Whitehall run in letting the nuclear example. ... electorate select their hosses.

Last night in Granada's World savagely criticised his civil
servants and the way they could
obstruct his ideas. He told viewers that the "only lesson Fve really learned in 29 years of parliamentary life" was that one could never get people in an established bureaucracy to support reform.

#### Misled

He offered five instances where, he alleged, officials hed wilfully misled him, usually hy withholding information he believed he should have had. They were, without exception, drawn from the field of nuclear

In three cases he claimed information was deliberately withheld from him as "respon-sible minister." In another he " misled." claimed be was the fifth he claimed his officials, to a man, ganged up on him to give him their point of view, and when he refused to accept it ment to take action in the field went behind his back and got of micro-electronics. This in the "Think Tank" to persuade turn prodded a dilatory indus-other ministers that he was try into taking action itself.

wrong. incensed by this last piece of concerted when this column "obstruction": hy what he calls urged it to use the same "bouncing the Cabinet," his diplomatic skills in order to hyphrase for civil service pressure pass Mr. Benn in the nuclear for a particular course of sector—at a time when it was action. He claims that he "won already emharking upon just the battle in the Cabinet in the such a course of action. end because I worked very In maligning officials Mr. hard." In fact, the Labour Benn is secure in the know-Cabinet at the time anthorised ledge that their professional the very studies of the U.S. design of reactor that led to TV programme would have it, the latest Covernment nuclear from airing their rows with decision, just hefore Christmas, ministers, but from disclosing namely that it wants to start any advice they have given to a building such a reactor in

BBC 1

in hlack and while

Jackanory. 4.40 Animal Magic. 5.05 John Craven's Newsround.

5.15 Grange Hill. 5.35 The

5.55 Nationwide (London and

South East only).

ACROSS

group is a beast (6)
8 Company left after time and put things in order (7)
9 Scales in harmony (7)

13 Island with hetter Religious

14 Confine soldiers observing

16 Somehow I stop Hal going

21 Progeny giving information

on eastern allowance (10)

24 A sepper io a money-making

25 Excused from a small measure of exercise (6)

has been purloined (6)

organisation will appear in

institution with a tower (7)

here for treatment (8) 18 Register in screen role (5)

Adder in season? (6)

hefore us (10)

exact rules (8)

distance (7)

12 Rearmost animal (4)

Instruction (5) -:

5.40 News.

6.20 Nationwide.

8.19 Decision. 9.00 News.

12.45 pm News. 1.00 Pebble Weather for Wales.

Mill At One. 1.45 Trumptoo.
3.25 Dechrau Siarad, 3.53
Regional News for England (except Loodon). 3.55 Plsy Along With Sunshine. 11.35 Can 5chool. 4.20 Yogi Bear. 4.25 Seo. 12.10 am Write Away.

6.50 Robbie (London and East (Norwich); Look North
South East only).

7.20 The Rockford Files.

Midlands Today (Birmingham);

F.T. CROSSWORD PUZZLE No. 4,168

during examples, Ministry of Defence once told periods of office when he had me that he had served a Defence responsibility for a wide range of British technology, is not likely to he lost on an electorate which knows his hostility to perpetual motion and little nuclear energy. Surely Congreen men from unidentified flycorde, or North Sea industry in objects. It certainly opened dominated, as it was when he

This common thread of his ast night in Granada's World case against civil service power Action programme Mr. is not the only irony of last Anthony Wedgwood Benn, the night's programme, however, former Secretary for Energy, Perhaps more significantly, even though he presented them all as examples of officials being obstructive, several cases were clearly examples of officials wanting action in circumstances where they suspected their minister of wishing to prevent any action.

According to Mr. Benn, the Think Tank is "s very dangerous development in the government ": a separate government department without minister in charge, with a brief to discover whether a minister is blocking the opinion of his own civil servants and in do something about it. It should he aholished nr put nnder a minister like every other department, he said.

#### Successful

But nuder Labour in the mid-1970s the Think Tank was quite remarkably successful hehlnd the scenes in prodding a previously pretty apathetic govern-Indeed, later in that year the Mr. Benn ly particularly Think Tank was somewhat dis-

code prevents them not, as the minister. But in calling for an 982-83. end to the Think Tank, Mr. But the fact that all of Mr. Benn is himself trying to abolish

10.20 The Nuclear Power Dehate. 11.35 Weather/Regional News.

All Regions as BBC-1 except

Wales—4.455.65 pm Bobol Bach, 5.55-6.20 Wales Today, 6.50 Heddiw, 7.15 Pohol Y Cwm.

ing Scotland. 5.50-7.20 Sing Along With Sunshine. 11.35 Can 5eo. 12.10 am Write Away.

Northern Ireland-3.53-3.55 pm

England-5.55-6.20 pm Look

Northern Ireland News. 5.55-6.20 Scene Around Six. 6.50-7.20 As 1 Roved Out. 11.35 News and Weather for Northern Ireland.

Points West (Bristol); South Today (Southampton); Spotlight South West (Plymouth), 6.50-7.20

Bach. 5.55-6.20 Wales Today. (Southampton) Hey Look.
6.50 Heddiw. 7.15 Pohol Y Cwm. That's Me!; South West (Ply7.40-8.10 A Question Of Sport.
11.35 News Headlines, News and (Bristol) Breakthrough.

for new awareness in years ahead

IF A WEEK is a long time in politics, a decade is a lifetime in the andio-visual media. The changes of the last 10 years have been considerable, and enough to tempt me to turn up the cuttings of this column in December 1968 and January 1969. On the reverse side of one was a photograph of "Post-master-General John Stonehouse"—and my column of December 17 1968 gave advance details of what was to become the first videocassette system in the world, EVR, now a string of nasty red figures in the old accounts of ICL CIBA and CBS.

#### **Predictions**

EVR was unfortunate in being rapidly overtaken hy even more revolutionary video equipment. It was a film-based, playback only video machine. In that column, I predicted that it was almost certain to displace the 16 mm projector." prediction was incorrect in the specific detail, but correct in the general spprosch as video recorders now outnumber 16 mm projectors by over 2:1 in Britain and more users of moving pictures are switching from 16 mm in favour of video tape. The latest is Marks and Spencer, which is replacing 16 mm and film strip equipment with VHS videocassette mach- in the tenth year an annual pro- in the shadows. What this film ines. They are being installed duction of between 5m-6m does is to prove the obvious—

Perhaps with prudence I made his predictions when an extremely well photographed we're in' type of prestige film, will consume it vorsciously. Inhave not probed too deeply into nouncing that RCA's video disc sequences starkly reveal just. The subject is telecommunical creasing numbers will also
have not probed too deeply into my other predictions of the past, system—a rival to the come how difficult it is to see a pedeslest I discover a howler to equal

that of Antoine Lumière, one of the founding fathers of cinematography, who refused thank me. This invention would ruin you. It can be exploited for a while as a scientific curiosity, beyond that it has no commercial future." At least the classic film maker of the 1920s, D. W. Griffith, was only wrong in his timing when he predicted that " 100 years hence, I helieve, the airplane passenger lines will operate motion picture shows decade the film industry has alting evidence of how invisible on regular schedules between most run out of ideas in keep-hazards can be at night, with the New York and Chicago and New

Griffith's prediction must have sounded when made before transatlantic flying had been established. Indeed, a near namesake of his—Edgar H. Griffiths, President of RCA Corporation—last month predicted that video disc players would in 10 years achieve 30 to 50 per cent penetration of all U.S. homes equipped with colour TV, Taking the low end of that forecast he reckons that this means

mercially available Philips trian or a hidden vehicle when player—will be launched in the driving in the dark. U.S. early in 1981.

become evident in the last roads, it provides the frighten-

Technically, it might well No one can seriously doubt have been nearly impossible to Georges Melies access to his that the next decade will see have made this film ten years Cinematographe machine say-electronics totally dominate ago at least, in quite the same ing "young man, you should most forms of picture reproduce way. With "driver's eye "views tion. As this inevitability has of dark streets and country

#### FILM AND VIDEO

BY JOHN CHITTOCK

Television's high technology decade calls

ing up the competition. Per- braking distance often beyond York and London."

Nome of the forecasts now beginning made seem as futuristic as a futuristic as ing made seem as futuristi

> latest Department of Transport film, made for the safe driving campaign in Britain. Dark is a primer in night driving, providing the stark visual evidence of the dangers lurking in the shadows. What this film

improved considerably; not only progress in its creative standsuperlative colour quality nowadays hat faster and faster emulation speeds—permitting filming slipped hack. Gallant efforts are even by candlelight.

An example of this technical progress is to be seen in the latest Department of Tenganet. has gone from the sponsored

it is not a promotional film but in these media as the technology

with electronic music that I but perhaps we do not really have anything important to say in 1980.

Maybe we are now at a really major crossroads. In the last 10 years, technology has started to make moving pictures more accessible, more common-place —whilst creatively we have drifted away from the passion and the idealism out of which the cinema grew. That all sounds reasonable and possibly sensible if we can keep our sense of proportion. But where

dn we go from here?

by Granada TV Rental in all players and estimated sales of but the obvious that people are Challenge of Choice, STC have cated in the grammar of cinema M and S stores.

200m-250m discs. Mr. Griffiths too complacent to accept. Some tackled the "this is the business and television, although most too complacent to accept. Some tackled the "this is the business and television, although most too complacent to accept. Some tackled the "this is the business and television, although most too complacent to accept. Some tackled the "this is the business and television, although most too complacent to accept. Some tackled the "this is the business and television, although most too complacent to accept. Some tackled the "this is the business and television, although most too complacent to accept. Some tackled the "this is the business and television to accept." tions and the press release says become untrained practitioners

one designed to provoke dis makes picture production easier, cussion. I find it completely un. In the 1930s the battle of the provocative, and the com- cinema was to demonstrate its mentary tedious. Conceptually cogency and its power. In the it is quite unremarkable. Its 1940s it proved itself, and in virtues are in some excellent the 1950s and 1960s it became photography, good editing (with an important industry from a brilliant opening sequence) which television drew great and a stereophonic sound track creative experience and confifound I actually liked, It proves nology of television and video that the talent is still around, forge ahead, creating perhaps a dence. The 1970s saw the techcultural vacuum but providing the technical means for a new order in communication.

### Social effects

It may be for the 1980s to determine how past experience and new technology can be most effectively used for the benefit of society. It suggests a need for a new public awareness of sense of proportion. But where pictures — through education and practical participa on. But technology is making the it also indicates a need for moving picture the medium of greater understanding of the the people, are we culturally social effects of the new media, capable of coping with it? If finency is available to every-The film industry must thank standard Telephones and Cables, however, for having a rather ambitinus try at hoisting the medium to its old level of creative excellence. In The population, and literacy is now inescapable truths of society—the medium to its old level of creative excellence. In The system But few people are edu-

### An uninformative January

WITH THE Champion Hurdle picture almost as unclear as that concerning the Cheltenham Gold Cup, it is more than plty that January affords practically no tempting races for the leading contenders for the first-named race.

Any trainer determined to get a race into" a Champion

### RACING

BY DOMINIC WIGAN

Hurdle aspirant in this country over the next four weeks will Benn's examples of official a major innovation of the have the option of either going "obstruction" happened to he Seventies in Whitehall. for an event run over more

East (Norwich) Daly On A Tues-

day; Midlands (Birmingham)
Looki Hear!; North (Leeds) Lifelines; North East (Newcastle)
Heroes; North West (Manchester) A Grand Sing; South

BBC 2

11.00 Piay School (As BBC-1 3.55 pm), 11.25 Write Away, 11.40 It's A Great Life.

2.30 pm Dilemmas.
3.00 illusions Of Reality.
3.30 The Living City.
†5.40 Flash Gordon Conquers

The Universe.

6.00 Newsround Africa.

7.00 Big Heel-Watha.

Chaplin.

11.20 Late News. 11.35 Closedown: reading.

6.30 Cricket: Australia England (h)ghlights).

7.10 Mid-Evening News. 7.20 The World About Us.

8.10 Company And Co. 9.00 Movie Showcase: "Rose-land," starring Geraldine

10.40 The Old Grey Whistle

LONDON 9.30 am Animated Classic 10.15 Untamed Frontier. 10.40 Cartoon Time. 10.45 Little House

On The Prairie. 11.55 The Bubblies. 12.00 5 mon in The Land Of Chalk Drawings. 12.10 pm Pipkins. 12.30 The

Snillvane. 1.00 News, plus FT Index. 1.20 Thames News. 1.30 Airport Chaplain. 2.00 After Noon Pius. 2.45 Wilde Alliance.

3.45 Three Little Words. 4.15 Get it Together. 4.45 Magpie.

5.15 Emmerdale Farm.

7.00 Charlie's Angels. 8.00 Armchair Thriller. 8.30 Robin's Nest.

"Bullitt," starring 5teve McQueen, Robert Vaughn and Jacqueline Bissett.

Radio Wavelengths

4 & 32.95vhf

9.00 Hollywood.

1053kHz/285m 1089kHz/275m

693kHz/433m 909kHz/330m & 88-91vhf stereo

(6) Stareophonic broadcast

\* Medium wave

5.00 sm As Radio 2, 6,00 Oave Lae
Travis. 8.00 Simon Bates. 11.31 Paul
aumett. 2.00 pm Andy Peebles. 4.31
Kid Jansen. 7.00 Personal Call. 8.00
Mike Read. 8.50 Newsbeel. 10.00 Jehn
Peel (5). 12.00-5.00 sm As Radio 2.

10.00 News

RADIO 1

5.45 News, 6.00 Thames News. 6.25 Help! than two miles (and quite possibly blunting his charge's a Champion Hurdle. speed in the process) or seeing The last-named, "the best I his hurdler attempting to give bave ever trained," according lumps of weight sway in an undistinguished handicap.

For the time heing, at least, remain convinced that the two who represent any sort of value ante-post-wise, with the 1980 hurdling crown in mind, are Rathconrath and Badsworth But for being brought down in Ascot's S.G.B. Hire Shop Hurdle on December 15, Badsworth Boy would, I feel sure, have made short work of event at Carlisle on October 26. Walnut Wonder.

Neither Pollardstown who, incidentally, was the cause of Badsworth Boy's departure there, nor Celtic Ryde, have yet to test me on their ability to

19.36 am Bustot Keaton Ridee Again.
10.30 Film Fun: "Smashing Time" etarring Rita Tushingham. 12.30 pm George Hemilton IV. 1.20 ATV Newsdesk. 5.15 Circus. 6.00 ATV Teday.
7.00 Emmardele Farm. 7.30 England Their England. 10.30 ATV Newsdesk.
10.35 The Tusday Movie: "The Marcanaries."

Marcanaries."

BORDER

9.30 am Animated Classics. 10.15
Unterned Frontier. 10.40 Cartoen Time.
10.45 The Little Heuse on the Praine.
11.40 Cartoon Time. 1.20 pm Border
News. 5.15 Father Over Father. 6.00
Loeksround Tuesdey. 7.00 Emmeddela
Ferm 7.30 Survival. 10.30 Luke's
Kingdem. 11.30 Stars On Ice. 12.00
Bordar Hews Gummary.

CHANNEL

1.20 pm Chennel Lunchtime News. 5.16 Salley's Sird. 6.00 Report at Six. 10.32 TV Movie: "Sarah T." 12.25 am Commentaires et Previeiens Matsor-

GRAMPIAN

9.25 am First Thing. 9.30 Cheppet Squed. 10.15 Deckland Rules O.K. 10.50 Cartoon Time. 11.10 Survival Special. 1.20 pm North Nowa Headlines. 6.00 North Tenight. 7.00 The Love Boat: 10.30 Cauntry Feeus. 11.00 Reflections. 11.05 The Tuesday Thriller: "Canapiracy of Terror." 12.25 am North Love Night Headlines.

GRANADA

9.30 am Sesams Straet. 10.30 The Gift of Magna Carta. 11.00 The Filatstones. 11.20 History Around Yeu. 11.35 Cartoon. 11.45 A Handlul of Sengs. 1.20 pm Granada Reports. 5.10 This is Yeur Right. 6.15 Crossroads. 8.00 Gronada Reports. 6.30 Emmerdala Farm. †10.30 Film Of The Week: Trevor Howard in "Sans and Lovers."

Howard in " gens end Lovem."

HTV

9.45 am Kum Kum. 10.10 Te The Top.
10.35 Survival. 11.00 Off On A Camet.
11.50 Larry Tha Lamb in Toytown.
1.20 pm Report West Headlines. 3.45
The Entertainam. 5.15 Magille Gerille.
6.20 Cersaroada. 6.00 Report West.
6.30 Beat in The West. 10.35 The Big
Piaturo: "Hemmersmith le Out"
starring Elizabeth Tayler, Richard Burton
and Peter Ustinov.

HTV CYMMULWALES. As HTV

and Peter Ustinov. HTV CYMRU/WALES, As HTV general astrice eacept: 1:20 pm Penswasu

BBC Radio London: 1485kHz, 206m & 94.9vhf

Capital Redio: 1548kHz, 194m & 95.8vhf

1151kHz, 261m 8 97,3vhf

Music (8) with Jan Leaming, including Australia v. England (roports). 2,03-3,02, 4,02 Cricket.

RADIO 3

take a hand in the finish of

to Peter Cundell, stands at 7-1 in most lists. Twice those odds would seem more appropriate. Turning to today's racing that improving seven-year-old Dikaro Lady, strikes me as the safest proposition at Lelcester where she goes for the 1.45 event. Dikaro Lady has imevent. proved by leaps and hounds since making her seasonal dehut in a modest two-mile

LEICESTER 1.45-Dikaro Lady\*\*\* FONTWELL 1.00—Royal Judgment 1.30—Jet On\*

2.60-Monty Python\*\*

Call. 11.35 Fireside Theatre.

SOUTHERN

9.30 am Call it Meceroni. B.55 Kum Kum. 10.20 The Roll Harris Show. 10.45 Stationary Ark. 11.10 The Little Heuse on the Prairie. 1.20 pm Southero News. 5.15 Oick Tracy Cartoon. 5.20 Croseroads. 6.00 Oay By Osy. 7.00 Emmerdele Farm. 7.30 Fether Dear Father. 10.30 Seuthem News Extra. 10.35 "The New Centuriena" etarring George C. Scott.

TYNE TEES

12.35 am Close: Richard Briers

reads from "Hi!" by Wales Headlines. 4.15-4.85 Shardun.

Norman Habel. 7.00 Quest Of Engles. 10.35 aywyd.

All IBA Regions as London except at the following times;.... Mind Your Language. SADLER'S WELLS THEATRE Rosebery
Ave. ECI. 837 1672. Sun 7.30, J. Strausz
YERNA BLOOD (sung in German)
Terosa Cabill. Sandra Dogdale, Saily
Borross, Nisel Douglas, Thomas Hemsley,
Bernard Occurrent. ANGLIA

S.35 em Who's Afraid of Opera?

10.19 Sailorman. 10.26 Stars en tea.

11.00 Chopper Squad. 11.45 Cartoon
Time. 1.25 pm Anglia News. 6.00
About Anglia. 7.00 Bygones. 7.30
Salwyn. 10.30 Tuesday Late Film:

"Oynasty" starring Sarah Miles.

"Oynasty" starring Sarah Miles.

12.20 em Your Music at Night.

ANGLIA

3.30 am Auliding The Tower Of Condon. 10.00 Feature Film: "Fire Oown Below" etsering Robert Mitchum and Jack Lemmon. 11.55 The Bubbles. 1.30 Cabbages and Kings. 5.15 Cartoon. Selvyn. 10.30 Tuesday Late Film: 5.20 Crossroads, 6.00 Scotland Tedsy. 12.20 em Your Music at Night.

Charles Rennie Meckintosh. 11.30 Late

THEATRES

9.20 am The Geed Ward followed by Nerth East News Headlines, 9.30 Space 1999, 10.20 Canadlan Calebrity Cencert. 11.15 Last Of The Wild. 11.30 Tha 11.15 Last Of The Wild. 11.30 The anados. 1.20 pm North East News and Lookaround. 5.15 Selwyn. 6.00 North East Nows Headlines. 6.02 Crossroads. 6.25 Northern Lile. 7.00 Emmardele Ferm. 7.30 Survival. 10.30 Come In. If You Can Get In. 11.00 North East News Headlines. 111.02 "Officet" starring William Sylvaster. 12.50 am Epilegua.

Epilegus.

ULSTER

10.35 am Spidermen, 10.55 Tarzen.
11.45 Sean The Leprechaun. 1.20 pm
Linchtime. 4.13 Ulster Naws Headlines. 5.16 Carcoon. 5.20 Crosaroeds.
3.00 Good Evening Ulater, 7.00 Emmerdale Farm, 7.30 A Drop In Yeur Hend.
10.29 Ulster Weather. 10.30 Feature
Film: "Sone And Lovers" aterring
Travor Howard and Wendy Hiller.
12.20 em lacdtims.

WESTWARD 9.40 am The Weody Woodpecker Shew. 19.15 Call It Macaroni. 119.40 Festura Film: "Nume On Wheels" etarring Juliet Milla. 12.27 pm Ous Honeybun's airtidays. 1.20 Westward Naws Headlines. 5.15 Belley's aird. 6.09 Westward Disry. 10.32 Westward Late News. 10.36 TV Movie: "Sarsh I." 12.25 em Feith For Life. 12.30 West Country Westhar and Shipping Forecast.

9.30 sm Herizage. 10.20 The Secret Uves of Waldo Kitty. 10.45 Call it Macaroni. 11.10 Cash And Campany. 1.20 pm Calender News. 3.45 Calender Tuesday. 5.15 Solwyn: 6.00 Calender (Emisy Moor and Aslmont adidens). 7.00 Emmerdale Farm. 7.30 Burvival. 10.30 The Tuesday. Film: "The Naw Centurions." 12.15 am George Hamilton IV.

DRURY LANE CC S. 21-836 Blod. 6vel 8.00: Mark. Wed. 3.00. Set 5.45. 0.45. CAROL CHANNING IN HILLO DOILVI'' Seath 82-63. GROUP BOOK. INGS - 01-724. 223. Spacial prices students and OAPSs. RADIO 4
5,00 am News Briefing. B.10 Ferming
Today. 6.25 Sbipping forecast. 6.30
Todey five from Indie, including 6.45
Prayet for the Day. 7.00, 8.00 Today's
News. 7.30, 8.30 News heedlines, 7.45
Thought fer the day. 8.45 The Great
Rallway 822281. 9.00 News. 9.05
Tuesday Cell. 10.0 News. 10.05 in
Artain New. 10.30 Daily Sarvice. 10.45
The Aridge Of San Luis Rey. 11.00
News. 11.05 Thirty-minute Theetre (a).
11.35 Sdill Small Velces. 11.55 Seunding Off. 12.00 News. 12.02 pm you FORTUNE THEATRE S. CC. 01-838 2238.

Mon-Thurs. Erenings 8.00. Friday & Saburdays 5.30 & 8.30. JOHN 6ARROM.
ANNETTE CROSSIE, GERALO FLOUD.
STRVEN GRIVES CAROL HAWKINS.
MIRIAM KARLIN. and KENNETH.
WILLIAMS IN THE UNDERTAKING. 11.35 Sxill Small Velces. 11.55 Seunding Off. 12.00 News. 12.02 pm You and Yeurs. 12.00 News. 12.02 pm You and Yeurs. 12.00 News. 1.00 The Werld at One. 1.40 The Archers. 1.55 Whether; programme naws. 1.00 The World at One. 1.40 The Archers. 1.55 Ahlpping Ioracest. -2.00 News. 2.02 Women's Heur. 3.00 Hews. 3.02 Uaten with Mother. 3.16 Afternoon Theatra (a). 4.10 Scokshelf. 4.40 Announcements. 4.45 Short Story. 5.00 PM. News magezine. 5.55 Shipping ferecast. 5.55 Weather; programms naws. 8.00 News. 2.30 Just a Minute (e). 7.00 The Archers. 7.20 The Metter of Arthur. 8.05 in Touch. 2.30 Meesahins on . , (e). 2.15 From eur own correspondent. 2.30 Kaleidessape. 9.59 Weather. 10.00 The World Tonight. 10.30 Cider Cup. (e). 11.00 A Scok et Bedrims. 11.15 The Financial World tonight. 11.30 On the Ughter Sids (a). 12.00 News. GARRICK, CC. 01-818 4801, Eves 5.00 (sharp). Fri. and Sat. 5.10 and 8.30. Gareth Hant in DEATHTRAP. GLOSE THEATRE CC. 01-457 1592.
Evgs. 8.00. Mat: Wed: 3.00. Sat. 5.00
and 8.30. ANTON RODGERS, GEMMA
CRAVEN OLANA LANGTON, ANONEW
C WADSWORTH, DAVIO, HEALEY,
SONGEOOK, LAST Week, Edgs Sat. GLOSE THEATRE. S. CC. 01-437 1592.
Half price previews from Jan. 17th. 1st Night Jan. 23 22 7.00. Evgs. 8.0. Wed. 3.0. Sat. 8.0 6 8.15 Bary Reid, Bary Poster, Peter Bowles, Jan Waters in Peter Michols new Day Some IN THE GARDENS Directed by Clifford Williams. CREENWICH THEATRE CC. 358 7755.
Evollings 0.00. Mat. Sat. 2.30. SRE
STOOPS TO CONQUER by Oliver Goldsmitt, Children & price all perfs. HAVMARIKET, CC. 91-930 9832. Evenings B.O. Wed. 2.50. Sat. 4.39 and B.OO. Gerald Harper, Kate O'Mara in The Shertock Pelices Mystery THE CRUCIFER OF BLOOD by Paul Giovangi. HER MAJESTY'S. CC. 01-030 6606.
SYES, G.O. Weds, & Sal. 1,00 & Q.O.
NESSYNE OF STANSON, ANDREW ROBERTSON and DORA ERVAN IN ROOKERY
NOOK AND MICHOEVE OF SAN
TRAVERS IN STANSON AND DUNLEY.
Children bill grid by FRANK DUNLEY.
Children bill grid by FRANK DUNLEY.
01 379 6061 OF Freephone 2361: BBC Radio London

5.07 am As Radie 2. 6.30 RuEh Hour.
10.03 The Robbit Vincant Telephone
Programme. 1.03 pm. Lendon Live.
3.03 Shewcase. 4.30 Lendon Nows
Cesk. 5.35 Look, Step. Listen. 7.03
Black Londoners. 8.00 The Extra
Ordinary Level Show. 2.00-5.00 am
Jein Radio 2.

### ENTERTAINMENT GUIDE

THEATRES

MAYPAIR, 829 3036, Eves. B. ALERTIO Y LOS TRIES PARANOIAS in NEVER MIND THE BULLOCKS. A light-hearted look at the Black Death. Group Sales 379 5061.

NATIONAL THEATRE 'S'. CC. 928 2252.
OLIVIER (open stage) Too'L. 7.30. Tomor.
2.45 & 7.30 Amadeus by Peter Shaner.
(Undiscovered Country must end Jan. 31.
extra per, Jan. 28.]
LYTTELTON. (grosconium stage): Ton'E.
7.45 When We Are Married by J. B.
Priestley, Tomor. 7.45 Death of a Salesman.

man, to make your peak of the control of the contro

OLD VIC. 226 7616. CC. Sigs. 201 1621 (until Jan. 19). Richard Goolden, lan Talbot TOAD OF TOAD HALL, Today 2.30. Tomor & Sat. 2.30 & 6.45. Thur. & Fri. 6.45.

AN EVENING WITH QUEEN VICTOR An eventual in her own words. Sus Jan 13 7-90 pm. Le Group TSE presents PEINES DE COEUR O'LIME CHATTE ANGLAISE (Heartaches of an English Pursycat), Eygs 7,30. Thurs 6 Sat mats 2,30 Jan 21-26,

PALACE CC. 01-437 6834, Mon., Thurs. 8.68. Fri., Sal. 6.00. 8.40. Jesus CHRIST SUPERSTAR by Tim Rice and Al orew Lloyd-Webber, Group sales 01-379 6061 or Freephone 2381.

PALLADIUM, CC. 01.437 7373. YUL BRYNNER In RODGERS & HAMMER-STEIN'S THE KING AND I also starting VIRGINIA KING AND I also starting VIRGINIA HOTLINE 91-437 2055, Evenings 7.30, Mat. Wed. 41-437 2055, Evenings 7.30, Mat. Wed. 245 pm on Jan. 8, 10 and 17.

PHOENIX THEATRE, CC. 01-836 2294
Ers 8.00. Wed. 3. Sat. 5.00 A 8.36.
SUSAN HAMPSHIRE PATRICK MOWER
AND VEAR OF TOM STOPPARE,
NIGHT AND DAY, Directed by Petel
Wood, BEST PLAY of the VEAR
Even by Standard Orams Award.

PICCADILLY, From 9.00 am. 437 4506, CC bkss. 035 1071. Evgs. 0.00. Thurs. 5.00 and 0.00. St. 531 and 63. PETCR BARKWORTH HANNAH GORDON INFORM CLAYER PROP 1097 CAN YOU NEAR ME AT THE BACK? Last 8 weeks. Must cad feb. 16.

RINCE EDWARD, CC. 91-437 56777 Evez. 8.00. Mets. Thur. & Sat. 21 3.00. EVITA by Tim Rice and Andrew Lioyd-Webber Officeted by Harold Prince.

PRINCE OF WALES THEATRE, 930 9681 As evening with TOMMY STEELS and his Company, Ergs. Mon. Thurs. 8.30. Fr. and Set. 8.00 and 8.30. 300k mps

RAYMONO REVIERAR. CC. 01-734 1593. At 7.00, 9.00, 11.30 pm. Ibems 5un, PAUL RAYMOND presents THE FESTIVAL OF EXOTICA. 22nd Sensa-tional Year. Fully sir-conditioned.

ROYALTY THEATRE, 01-405 0004. Unch January 12. Mat. perfs, at 2.00. Extra perfs. Thurst. Set. Sed. David Wood's family, treat THE GINGEREREAD MAN starring SERNARD CRIBBINS. Easy parking. Rescharant with children's menu. Rescharant Reservations 405 2416.

ST. GEORGES THEATRE. 5. 507 1120. Evez. 7.30. Last 2 Ports. Tont & Tomor. AS YOU LIKE IT. CLAT 3 POTS. This. Fri. 6. Sat. JULIUS CAESAR. From Jan. Fri. 6. Sat. JULIUS CAESAR. From Jan. 15. 22. 7. Subs. Evez. 8. Sat. Mats. 8. Evel. Hate. John Quencin, in On Approx. VAL. Prederick Lonsdale's famous comety Z4. hr. blgs.

24 hr. bigs.

ST. MARTIN'S, Credit Cards, 836 1445;
Eves. 8.00, 10e, 2.45, 53ts, 5.00 and
0.00 AGATINA CHRISTIC ON MOUSETRAP. WORLO'S
EVER RUN. 20th YEAR.

SAVOY THEATRE 01-836 0888. CC.
836 8118 IMen. Fri. 10-6.1 LESLIE
PHILLIPS. JUNE WHITFIELD. 6YLVIA
SYMS and ANDREW SACHS. NOV NOW
DARLING Men. Thers. B.00. Fri. nud
Sat. 5.45 and 6.45. Reduced price
mats. nn. Fridays. Group booking 01437 3056.

SHAPTESBURY. CC. 81-836 4596-7.
MODS. SATS. 2 pm and 0.45 pm.
GAYLE NUNNICUIT. JAMES VILLIERS
In J. M. Barrie's PETER PAN. dear price
£1.00 to £6. 01-579 6200. Hotiline 10
JM pm including. Studey. Tikl
JAM. 12. ONLY. BOOK NOW.

STRAND. 01-036 2000. Evenings 5.00. Mar. Thurs. 3.00. Set. 5.30 and 8.39. LONGEST-RUNNING COMEDY. IN THE WORLD. NO SEX PLEASE WERE BRITISH. Directed by Allan Davis. GOOD SEATS AVAILABLE £2.50 to 55.50. Credit Cards 0-836 4143. Group sales 379 6061 or Preephoke 2381.

STRATFORD UPON-AVON. Royal Shakes speare Theatre (0789) 292271 Tickets speare Theatre (0789) 292271 Tickets from the strain of t

TAUR OF THE TOWN. CC. 91-734.5651.
AIR CONDITIONING. CREDIT CARDS.
LONDON'S GREAT NIGHT OUT. From
LOO, Dialog and Canding. 6-30. SUPER
REVUE BUEBLY. At 11.00: THE BLACK
ABBOTS.

VALIDEVILLE, 01-838 9988, EVGS. 8.00. SEC. 3.30 and 8.30. Wed. MRI. 2.46. ALAN BATES IN STAGE STRUCK. A new thriller by Simon-Grav.

VICTORIA PALACE. CC. 01-820 4735-8. 01-834 1317. Evg. 7-30. Mats. Wad. and Sal. 245. ANNIE. Group Sales & C. Office 01-379 6961 or Freebone 2361.

A2-19. Studenty 57-10. Adv bitus Aldewys, whether y arena of 1902 1224. Entirely new grods, of the lavish HOLIDAY Office. Tors, to Fr. 7.45. Mat. Weds. 3. Sais. 2. 54. 6. Sais. 3. 6 4.30. No. peris. Mone.). Children A Seelec Cits. Sais and sais. Fay at socra. Amble saiding. Westminster. Cc. 4. 624 6782. Widow. 2.30 and 6.50. The Musical Planty Company. 1. 5038978. AND THE AMAZING TECHNICOLOGY AND THE AMAZING TECHNICOLOGY OREAMCOAT BY TIM. Rice and Andrew Lloyd-Webber. Surring Paul Jones. LAST. 2 WEEKS. SEASON ENDS: JAN. 19th. Group Sais. 01-579 6061.

#### **OPERA & BALLET**

COLESCUM. Credit carts. 240 5256. Reservations 826 3161. ENGLISH NATIONAL OFERA. Toolght & Thirs. 7.30: A Night In Venice. Tomer, 5 Sat. 7.00: The Forter of Oestiny. Ft. 7.30: The Magic Fluts. 104 balcony seats avail. Irons 10 am on day of perf. YRIC HAMMERSMITH. 91-741 2311 Mon, to Sat. 7.30, meta tomor., Thur. & Sat. 2.30, Chidn. 12 price tomer. & Thur. met. ALADDIN by Sandy Wilson.

COVENT. GARDEN. CC. S. 240 1066.

(COVENT. GARDEN. CC. S. 240 1066.

(CATOS-Zharas at. dl. cards 2.56 5mus.)

Ton't. \$ \$2.7.7.0 DIE FLEDE\*\*MAIRE
(Ambhi. seats avail. at. all perfs.) Fri.
7.30 La Tavis.

THE ROYAL BALLET

Tomor. & Thur. 7.30 Mayoring. Sat.
2.00 & Mon. 7.30 The Shapping Beauty.
05 Ambhi. seats avail. for all perfs.
from 10 am on day of perf.

ROYAL FESTIVAL HALL 01-928 3191. Fres. 7.30. Mar. Srt. et 3. Until Jan. 15 LONDON FESTIVAL BALLET 18 Sectate lar groth. of Tchalkovsky's 1918 NUT-CRACKER. Tought, Loeber, Tom van Cauwenbergh Dodds.

SADLER'S WELLS THEATRE, Rosebery Ave., ECI. 837 1572. Credit cards 837 3836 and 837 7505. Until Feb. 18 DOVIN PARTE DOVIN PARTE Formation of the Comment of the H. Gillerri & Sullivania Frys. 730. Matt., Weds. & Sats. 2.50. Tonight & Tomor'. Iolantie. Thurs., Fri. & Sats. H.M.S., Ploafore.

ADELPHIL CC. S. 91-836 7611. MY FAIR LADY. Eygs. at 7.30. Sat. 4.00 and 7.45. Mats. Thursdays at 3.00. TONY BRITTON. ILL ROBERTSON. PETER BAYLISS and ANNA NEAGLE IN THE WORLD'S GREATEST MUSICAL MY FAIR LADY. BOOK NEW Theatre and

APOLLO THEATRE, CC. 01-437 2663 Eves. 8.00. Sats. 5.00 and 8.00. Mats Ther. 3.00. IAN LAYENGER, TERRICI EDMOND, JULIA FOSTER in HAPPY BIRTHDAY, Last week—ands Sati

ARTS THEATRE 01-836 2132. TOM STOPPARC'S DIRTY LINEN. Monday to Thursday 8.30. Friday and Saturday 7.00 and 9.15. NOW IN 1TS FOURTH YEAR. Lowest-priced best scats in London. 54.00. \$3.35 \$1.60. plus 15p temp. members Sec. \$4.85, \$3.05, \$1.85. ASTORIA. CC. 81-438 8031. 81-734 4251. 01-734 4359. 8EATLEMANIA. Mon-Thers: 0.00. Fil. Sat. 0.00 and 0.45. Reduced rate Group bookings. 01-437 3856. BOULEVARD TP', at the Raymond Revea-bit. Walker's Court. Brewer Street. CC. Tele 31-437, 2531. PAUR. RAYMOND PRESENTS Jucon of America's sex films MARILTN CHAMBERS. Exclusive British MARILTN CHAMBERS. Exclusive British Appearance. LIVE ON STACE. Twice nightly Mon.-Sex. 8,00 and 10-00 mm.

CRITERION. 930 3210. CC bookings 379 0565. Group sales 379 6067. Evs. 0.00. Sat. 5.36. B.30. Thur. mat. 3.00. HALF-PRICE PERFS. Mon. eve. Thars. May. NEIL SIMON'S LAST OF THE RED HOT LOVERS. Les Montague, Georgina Hale, Gridget Turner and Susan angel.

DUCHESS, 01-838 8243, Mon. to Thurse Eves. 0.00, Pri. and Sat; 5.30 and 8.15, OHI CALCUITA:

KING'S MEAD. 01-226 1916. Olnuer 7.00 Show, 6.00. NASHVILLE NEW YORK Yerse by Onder Nash, Devised by Robert Coshman.

CAMBRIDGE, 01-838 5056 Credit cards accepted 01-838 7040. Mon. to Fri. 0.00. Thirm 100 Set. 5.00 and 0.30. THE NIT BROADWAY MUSICAL GREAT FAMILY ENTERTAINMENT. CHICAGO. Reduced prices for parties 379 5661 0356 6058. Standby £1.50 COMERY THEATRE CC. 930 2578. Mon.-Sat. 9,00, Mars. Fri. & Sat. 6,30. Trile ROCKY HORROR SHOW. Gross sates Box Office 61-378 0081. Fraephone 2381.

YORKSHIRE

WHITEHALL CC. 01-930 6692-7765, Mgm. 1s Thurs. 8.00. Fr. and Sat. 8.1-end 0.50, FP. 10MB1. FirTH CREA YEAR 98. Reduced rate group bookung. 754 229.

NYNDHAM'S. Special 5-week season from ts Jan. Royaf Shakespeare Company in Pam Gem's PIAF.

FOUND VIC. 928 6363. Ton's 7.30 THE HUNCHBACK OF NOTRE DAME Phone for details of daytime chile THE ANCIENT MARINER.

#### CINEMAS

ABC T & 2 SHAFTESBURY AVE. 836 8661. Sep. Port. ALL SZATS BK8LE. 71 APOCALYPSE NOW CO. WK. A Sun. 1.15, 4.30, 7.55 Z: APOCALYPSE NOW DO. WK. & Sun. 2.15, 7.20. CLASSIC 1. 2. 3. Haymarket (Piccadilly Circus Tube). 81-839 1527.
1. Anothev Qainn CARAYANS (A). Pross. 12-50. 5.80, 5.30, 8.05.
21 LAST 2 QAYS! PEEC OTJoole 2ULU QAWN (A). Pross. 1.0S. 3.15. 5.40, 8.05. 8.05. 34 LAST 2 DAYS! Sean Convery METEOR (Al. Prods. 1.00. 2.50, 5.25. 8.00.

CLASSIC POLY, Oxford Circus l'Unper Regent Street), 637 3863, LAST 2 04YS CLASSIC 1. 2. 3. 4: 5. Oxford 5t, 01-535 0310 (opp. Totterham Court Rd. Tobel. J. Anthony Quinn CARAVANS (A. Progs. 2.00, 5.06, 8.00, 2.00, 2.00, 2.00, 2.00, 2.00, 2.00, 3.45, 5.00, 2.00

8.15. Woody Allen MANHATTAN (AA). Progs. 12.56, 2.50, 4.59, 6.59, 8.50. 4. R. R. Phiken's THE LIRO OF THE RINGS (A). Progs. 1.00, 3.25, S.55. 8.25. E. LOVE AT FIRST BITE (AA). Sep. S. LOVE AT FIRST BITE (AA). Sep. Derts, Doors open 2.00. 5.00, 3.00.

ODEDN HAYMARKET (930 2738-2771). HR Clayburgh in Bertoluct's LA LUNA CO. Sep. perfs. Wks. 1.45, 6.05, 8.18. ODEON LECCESTER SQUARE (930 0111). THE BLACK NOLE (A). See, proce. Civ. Donrs open 1.19, 4.50, 7.45, All sems booksble at Box Office of by Post. ODEDN MARBLE ARCH W2, 723 2011-2 VANKS (AA), Sep. perts. Sun\_Fri. Dra Oper 3.25, 7.00; Sat. Drs. Oper 1.00. Bookgate in advance. PRINCE CHARLES, Leic. Sq. 437 5181.
Ward Premier Presentation SCUM (X).
Sen. Perts. Div. (Inc. Sun.), 2.45, 5.55.
8 35. Lete Show Fri and Sat. 71.75.
Seap bible. Lic'd Bar. From Jan. 76
World Premiere Presentation NIGHT
GAMES (X). Box Office Open—Book Now.

STUDIO 1 & 4. Oxfore Circus. 437 3300. Lic'; Bur. 1. THE DEER HONTER CO., 12.45 4.95. 7.30. Late show Sai. 10.50. 4. APOCALYPSE NOW (X). Sep. Peris. Daily 1.45, 4.50. 8.00. Late Show Sai. 11.10. Septs Booksbie.

### ART GALLERIES

TY AND GUILDS OF LONDON ART SCHOOL. Centenary Exhibition at FIELDBORNE GALLERIES. 63. Queen's Grove. St. John's Wood, NW8, 568 3500. CRANE KALMAN, 176, Brompton Rd., SWI. 61-584 7588, 2015 CENTURY BRITISH PAINTINGS. Until 31 January. MRN.-Fri. 10-6, Set. 18-4. MBILL-TTI. 10-6. SET. 10-8.

MAMMITONS. 13. Carlos Place. Nr.
Grosvenor Square. Williams 599 9493-4.

Dil Palistinos Precious Association Sold Hockander. Precious General Sold Hockander. Precious General Sold Hockander. Celebrate Sold Hockander. Settlement Silver by George Services and Octavin Burton. Znd January 1986. Coon. Mon.-Fri. 9-30-5-36.

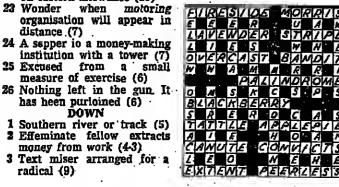
Saturday 10-00 to 1,00. MALI GALLERIES, The MAU, SWI, "THE SEST OF BRITTSH LLUSTRATORS."
ASSOCIATION MOCLET! 10-5 Sets 10-1 Until 1 pm January 16th.
Adm. free. MARLEORDUGH, 6. Albernarte Street, W1.
GRAHAM SITHERLAND, New seeatins
(liustrating) Guilleute Applificate's
eestary with related watercoleurs. 2.
Roy\_16 Jan. Men\_Pri. 10-S\_30. Set.
10-12\_30. OMBL GALLERIES, 22, Bary Street, St. Dinnes's London, SW1. 19th CENTURY ENGLY, London, SW1. 19th CENTURY ENGLY, CONTINENTAL OVER A CONTINENTAL OVE OMEEL GALLERIES, 40, Albomarie Street.
Piccadilly, W1. Fine 2019 CENTURY
BRITISH & EUROPEAN PAINTINGS.
Many delighted subjects, incident
glaves GREAT SELECTION OF MARITIME PAINTINGS by outstanding Artists
but at REALISTIC PRICES. REDFERN GALLERY: EDICIONES POLI-GRAPA-BARCELONA. Major works by Hyling grisse. December Jasuary. 20. Cork Street. London. W.L. Mon.-Fri. 10-5.30. Set. 10-12.30. SANDFORD GALLERY. Covere Garten, 7; Mercer Street, Long Acre. WCZ. Mon.-Sat. 11-6, New Year Cantemporary Sine art sele bins; 22 Jan. THE PARKER GALLERY, 2. Albamarie Street, Piccadilly, WI. Athibities of old Marine, Millery, and Sporting, and Topo-Graphical Prints and Paintings and Shios Models.

EVE has contilled the others because of bolicy of lair play and value for money suppor from 10-3.30 and Disco and the musteless, sylamous hosteness, so the four shows. 129, Regent St. 724 9567. GARGOYLE 68 Dens Street London Wi-NEW STRIPTEASE PLOORSHOW 73-2.30 am, Shower at Michaelt and 1 am. Mon-Fri. Closed Sabirdays, 01-137,8436.

DOWN 1 Southern river or track (5) 2 Effeminate fellow extracts money from work (4-3) 3 Text miser arranged for a radical (9)

less in form (5) 4 Officer Commanding Eastern 6 Hide article in king's play (7) 7 Nice latch designed for pro-fessional (9) 10 Frightening the hird round the top of the tree (9) 11 Programme for the future 13 Rotary movement shows the time to be sagacious (9) 15 Transfix the money maker - 17 Type of landing agen on Shrove Tuesday? (7) 19 End of deserter with a thir lock of hair (3-4)

21 Dance with girl hefore work 20 Flay the king living in sin 22 Deep canoe possibly (5) SOLUTION TO PUZZLE



5 Third rate girl is none the

22

with something to chew (9)

No. 4,167



It simply started as it went on the work conforming to no clear direction or school; and we in the art world suffered as always, making life ever more difficult for ourselves by our squabbles and misunderstandings, and getting our usual por-tion, and more, of active indifference from the public at

ment, personal or otherwise, of

the late decade.

And yet across the whole specium of activity, work of real quality and achievement regularly appeared, unspectacularly perhaps, apologetically, even unremarked, but there all the same: plus c'est la même chose indeed. Looking back over this past year, it may fairly be said to stand for all the

We have been conspicuously spoilt, which happy condition is hound to continue fer many years yet, for though we have Goths enough among mur Masters, who seem so loth to add to them at times, it would take the new Cromwell himself. to break up our great national.

These amazing stories of such varied treasure, which surely only the half civilised can bring themselves to ignore, create the aesthetic and critical climate in which the art world in general, and London's art world, private and public, ancient and modern, may flourish.

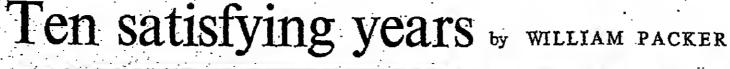
One exhibition a year, such as the Flowers in Art at the British Museum last summer, would be treat enough at any time; but as always such treats came thick and fast. Many of them dealt with older as opposed to modern art, and as such usually fell to my distinguished colleagues, Doctors Strong and Piper, to cover, which is not at all to say that I ever felt could afford to miss

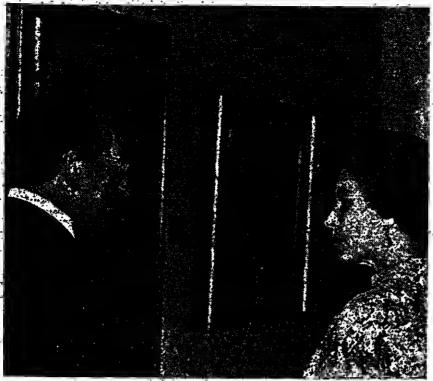
Quite the contrary, in fact, for I can tell you that nothing gives more pleasure to your reviewer than to enjoy a great exhibition for itself alone privilege, as it were, without responsibility.

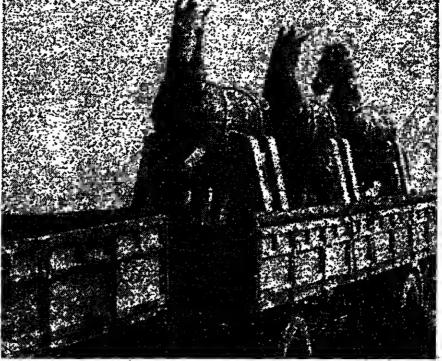
privilege, as it were, without and exhibitions.

responsibility. Lately it has grasped the twin.

The world will divide itself nettles of official help, through in future, for example, between the Government's indemnity those who took the trouble, in scheme, a most sensible step the many months that it was which immediately makes major on, to see the Holbein Drawings loan exhibitions possible once from Windsor at the Queen's more, and of sponsorship.







Events of year: Left, the official opening of the Tate Gallery extension. Her Majesty the Queen with Sir Norman Reid, Director of the Tate Gallery. Right, the Horses of San Marco, one of which appeared at the Royal Academy, being taken to safety during World War II

into 1979, and was one of the latter company has rallied in The most important single ship, to celebrate the grand most beautiful and extraordinary exhibitions of any year, or any decade.

And there was the Horse which the Royal Academy and Olivetti together hrought from the portico of St. Mark's to Burlington House, further north and west than in all its years it had ever travelled before. It was the single most extraordinary, the most memorable sight of the year, of the decade, almost more than enough on its own; but it was not alone, for with it came a whole soundary of ancient and whole squadron of ancient and heartiful beasts.

I had seen a similar show in Venice two years hefore, in the earlier stages of the cleaning and restoration, but with only the actual head and a life-size cast: this was the real thing— and again that significant divide npens up between the wise and

Remaining with the Academy for a moment, one of the most important and, I hope, lasting developments of recent years was the confirmation of the movement hegun long ago under Sir Thomas Monnington, and continued most actively under the present President, Sir Hugh Casson, that has brought the Academy back into the centre of affairs, with an ever more ambitions programme of events

of its subject utterly.

But the year does not belong entirely to the old masters, Sargent and Lawrence at the National Portrait Gallery and Degas in Edinburgh notwith-standing. My year was bounded by the British Council's Un Certain Art Anglais, in Paris and Brussels early in the year, and my own British Art Show for the Arts Council which for the Arts Council, which opened in Sheffield last month, and punctuated the Hayward Annual, the Tolly Cobbold and the Whitechapel Open.

And for all their faults, which in one case at least are not mine to dilate upon, at least not now, I do believe that all these shows demonstrated in their fashion, if only in part, the many and very different strengths of current British art.

Outstanding single shows included John Walker's drawings and the Hubert Dalwood Memorial Show, both in January, the travelling show of David Memory, project that I David Hockney's prints that I caught in Nottingham, Phillip King at Easter, and on through the year with Leon Kossoff, Prunella Clough, Patrick Caulfield, John Hoyland, David Tindle and Keith Milow, an accidental series as varied as it was stimulating.

Gallery, and those who did not: We must hope that others will d'Offay the most exquisite, Technically it belonged to 1978, follow the generous lead set by David Bomberg at Whitechapel I know, but it continued long. Olivetti and now IBM, which the most moving.

the magnificent Post-Impres- event of the year, however, was inanguration, was necessarily sionist Exhibition, yet another institutional rather than purely seen as a personal statement, show of infinitely more than visual, though it supplied plenty temporary significance, one which has changed out reading able occasion. At the end of the supplied plenty to look at, and a most memorable triumph.

Much has been made, often able occasion. At the end of the supplied plenty to look at, and a most memorable triumph. able occasion. At the end of ungenerously, of Sir Norman's May, while the entire establish- predeliction for abstract and May, while the entire establishment of the English art world, artists, administrators, critics, scholars, drank excellent claret to the sound of fireworks, Her

> and so long and difficult the labour that produced it, that the relief at its realization was general and genuine. If it seems inadequate still, that must be because that Tate itself is required to do too much, and the great issue to face for the art scholarship, was also closely himself future is not the provision of matched. Inevitably a national tirement future is not the provision of more space on the site, but the separation of the Historic British from the Modern Collection

Which will move, should move ever be possible, is the great question for Professor Bowness, the new director, to enswer: hut should the modern collection remain, the new extension will certainly provide an excellent base. Sir Norman Reid, who retired as director at the turn of the year, has been so closely identified with its achievement that it is hound to stand as his memorial, and quite rightly so.

Sir Norman sailed his hoat through the most treacherous was stimulating.

shoals and cross-currents, and Gateshead who received £1,000 of Grasmere for his violin makAnd there were important occasionally the choppiest of to prepare work for forthcoming ing, to Colin Ross of Whitley
historical exhibitions: Jackson water, and was often criticised exhibitions at Newcastle and Bay for making Northumbrian And there were important occasionally the choppiest of to prepare work for forthcoming ing, to Colin Ross of Whitley historical exhibitions: Jackson water, and was often criticised exhibitions at Newcastle and Bay for making Northumbrian Pollock at Oxford the most for the course he took. The spectacular, David Jones at rehang of the modern side of commissions go to Brian Newcastle for his ceramic d'Offay the most exquisite, the gallery, and the filling of Thompson of Tynemouth and work. the new galleries with works acquired during his director

cooceptual art: but he inherited a collection that was manifestly unbalanced at a time when such abstract work was of central im-Majesty the Queen declared the portance. Personal judgments extension to the Tate open at are personal judgments (though we must never furget that Se desperately was it needed. Trustees did the buying), and and so long and difficult the we may well take issue with

any one of them.
But figurative art was never such a marked trend in recent

collection will carry a certain national bias. Sir Norman's great achievement, which that inaugural display made clear, is that he has secured for us a collection of modern art which sets British Art fairly in its international context, a collec-tion liberally supplied with important, historic and often very heautiful works, admirably wide in its scope, serious in its purpose, and far more generous in its attitude to the world at large than is usually the case with Museums of Modern Art. It takes nothing away from It takes nothing away from

our wishes for his own success to say that Professor Bowness proscribed, and the re- has been singularly fortunate in examination of earlier phases in his predecessor, as indeed we British twentieth century art, all have been these 15 years past. Sir Norman has earned himself a long and happy re-

### Northern Arts support for individual artists

Forty three artists and craftsmen living and working in the North have received a wards ranging from £50 to £1,000 from Northern Arts as part of the Association's increased commitment to helping the individual artist. The total value of the awards is over £14,200.

The largest single award with £773 to sculptor David Williams of Caldbeck, Cumhria.

Elizabeth Clay of Port Carlisle has been given the largest crafts award of £840 as a commission for a silver howl for the permanent Crafts Collection at the Shipley Art Gallery, Gateshead. £500 awards go to Tim Meacher of Alston for his leatherwork, to Martin Morris Gateshead who received £1,000 of Grasmere for his violin maken.

Forty three artists and Nicholas Lloyd of Ebchester

#### Elizabeth Hall

### Clarinet trios

by ANDREW CLEMENTS

and a stringed instrument is an awkward combination to handle. A clarinet quintet allows the composer to contrast solo woodwind and strings—clarinet may he set against the quartet in concertante fashion or absorbed into the texture as an enriching voice-but the trio demands two matched voices to blend and support each other against the

The Mozart clarinet trio, with trios with cello by Beethoven and Brahms are more problematic. On Friday evening Janet Hilton, Raipb Kirshhaum and Peter Frankl tackled both of them as a further instalment in the "Mainly Beethnven" series in the Queen Elizabeth

strenuous evening of chamber music, and his air of genial most delicately poised of dia-relaxation spread to his logues in the slow movement. partners. Together they Between clarinettist and provided a highly enjoyable, pianist Mr. Kirshbaum was civilised programme.

Miss Hilton is not heard

A trie of clarinet with piano ances; her contribution, in music that assumes an equal partnerhip, became the natural focus of attention.

Yet for all the felicities of the performance, Beethoven's trio Op. 11 remained awkward. It is sometimes played with a violin replacing the clarinet; because the piano is the prime mover, reducing the other instruments to supporting roles, it may sound more convincing in that version. Mr. Frankl relished his task, viola, works best of all, but the occasionally confusing the issue with his pedaling, hlurring the hravura writing in the first variation of the finale, for instance, but always finding irre-sistible rhythmic interest in the most meagre of material.

The Brahms trio Op. 114 lies more happily on the instruments. Miss Hilton here was out-Mr. Frankl was breaking off standing, clothing the arpeggios from his Schumann pilgrimage of the final bars of the first at the Wigmore Hall for a less movement in the most velvety mber tone, leading the celln into the enial most delicately poised of dia-his logues in the slow movement.

aometimes shaded, but partnered by Mr. Frankl in Beethoven's often enough in London. She is cello sonata Op. 69 he found a clarinettist whose gentle tone much muscularity and bite, perand elegant phrasing are ideally haps, however, understating its suited in small-scale perform-

#### **Festival Hall**

### The Nutcracker by CLEMENT CRISP

As the Christmas decorations depth. But once the dream come down we must note the presence of that dear bauble The Nutcracker on the South Bank. Ronald Hynd's staging for Festival Ballet is sensible without losing sight of the fact that hordes of very young ballet-goers will receive their haptism by dance in these hallowed festivities.

On Thursday afternoon most of the audience was knee-high but plainly enraptured, and Festival Ballet's artists deserve every commendation for seeming so happy with their twice-aday task. I had hoped to see the company's Italian recruit, Lucia Truglia. She was, alas, indisposed, and Vivien Loeher and Tom van Cauwenbergh were the heroine and her cavalier.

Miss Loeber offered a creamy. smooth-flowing account of the dances; Mr. van Canwenbergl an original and convincing view of the Hoffmanesque hero. He makes Karl-who is Drosselmeyer's nephew in this version a slightly gauche and matter of £1,500 to Cherry Potter and of fact young man at the party, nne of £750 each to Andy Armilooking rather ont of his social tage and Jane McCulloch.

sequence begins, van Cauwen-berg, like Karl, is transformed. His dancing is strong in outline; gesture is noble, admirably spacious; he acquires a physical allure which makes very good sense of his identity as a dreamextension of the real-life figure.

The performance also brought my first sight of a new recruit to the company from Sweden, Matz Skoog. A young dancer of clear, good school—a hright, Bournonvillian manner; pleasing ballon and elevation—he made an excellent impression as nasty little Fritz. Mr. Skoog salled hlithely through his one solo, the jig, and acted his unappealing role without declining into coarseness or too many madcap japes: even on this showing he is a valuable acquisition.

Arts Council theatre writing bursaries

The Arts Council has anproved a theatre writing hursary of £1,500 to Cherry Potter and

### Elizabeth Hall

S COT S C

A 22 : 42

### Bishop-Kovacevich

by DAVID MURRAY

Bishop-Kovacevich's recital on in a remote and reflective way. Sunday was Beethoven's Thirty. He played it gently, dreamily, three Variations on a Waltz by nervelessly, like a romantic Diahelli. The first part of his reminiscence of something long programme had the air, indeed, past The same trick of all-butprogramme had the air, indeed, of a mere prelude which was hardly fair to Schumann's Fsharp minor Sonata op. 11, imperfect work though it may be. The planist gave an attrac-tive sketch of it, but not a finished account problems of balance in the Allegro vivace left several passages struggling to be heard, and the finent glitter of the Scherze and the Finale (which was left candidly shapeless) - sounded promised by tentative fingers. firmed that at once, and in what. Bishop-Kovacevich's npening followed there was a newly: Mozart sonata, the early K. 282 extrovert tone in many places.

going slowly mad to the music of Eivis Presley in a high rise

weeks?); offers a glimpse of the

Hanif Kureishi's oppressive

lunchtime play curiously asserts,

however, that Marie and Bill did

in fact once see Presley in Las

Vegas. How on earth did they

Elaine Donnelly is the gin-

husband, refuses to go out the

front door and moons around

when Miss Donnelly tells her

cutraged sister that she can imagine herself on "Sunday

Night at the London Palladium

No one of her age would remember the show:

of working-class misery glib and

the highly franght marital in August.

Soho Poly

escape route.

afford that?

The principal work in in E-flat, was better realised, The first Presto variation was Certain extremes perhaps need toneless articulation — more effective in a recorded performance than in a large hall—was to recur in the "Diabelli". to recur in the "Diabelli". Variations, but set off there by contrasting power and dash.

planist has had new thoughts grant has had new thoughts about Beethoven's great varia-finent tion-set aince his admired and the recording of it several years andidly ago. The high mettle of the com-theme as he delivered it con-

Simon Rattle

for South Bank

Simon Rattle has been named

new artistic director of South

who will appear as artistic

summer music

The King and Me

by MICHAEL COVENEY

Anyway, I find the piece's Bank summer music for 1981.83. pretensions as an investigation He succeeds Pinchas Zukerman,

sentimental; what promise Mr. director of the annual chamber

Kureishi does display is seen in music festival for the last time

talent contest.

23rd variations.

have belonged to Schumann's the effect was puzzling.

Kinderszenen. Bishop-Kovace- From the earlier vich huilt the whole "Dizbelli" acherzando onward. We were forewarned that the structure this time from anist has had new thoughts deliberately distinct bricks, with no attempt at an illusion of steady continuity; high con-trasts defined the whole read-

The performance was often

actually violent, and torrential to be brought into more con-energy informed the 22nd and vincing relation yet. His tower-23rd variations.
On the other hand there was long-drawn serenity behind the succeeded by his most private Grave e maestoso, and the first playing in the C minor Adaglo Andante variation was moon and Andante, barely breathed struck; the little Fughetta might and almost toneless again, and

From the earlier Presto acherzando onward, in fact, there bad been a good daal of edgy brittleness. There was perceptibly better control in the last three variations, with more warmth than experted in the final Tempo di minnetto-not an other-wordly whisper, but an exciting: less consistent so far amiable afterthought. Plainly then the pianist's previous ver- this is still work-in-progress, but potentially richer. and it promises much.

### Swiss Theatre

### Düerrenmatt's echo

by OSSIA TRILLING

For a young married couple exchanges that top and tail the going slowly mad to the missic talent contest.

of Elvis Presley in a high rise. Antonia Bird's production is flat in Catford, a Presley look noisy and pretty nervealike competition, with its first wracking, with blasts of Elvis prize of two weeks in Memphis, scattering cigarette ends over Tennessee (second prize, three the tawdry furniture and the weeks?), offers a glimpse of the domed couple playing at a Dangerous Game—as a meloholdly emotional prich for so drama called Die Ponne (The small a space. Miss Donnelly, and her reluctant partner in fantasy, Mike Grady, are superb: last two plays fared ill at the Zurich Schauspielhaus, site of his earlier world premieres, at she lolling around in postures of provocative stupor while he the hands of ontside directors, desperately tries to stave off and his agent Egon Karter, who complete collapse by dutifully runs a Swiss touring company, trundling off to Hammersmith talked him into it and had him sodden wife, a particularly to make a fool of himself in a stupid and repulsive woman who white studded jacket. The ignores her children, bullies her comperes material is rather direct it himself. The long tour opened in Germany and arrived, via Vienna, in his homeland, not thin, but the design by Louise in Zurich—but in the brand new kissing photographs of Presley. location with an economical Elvis himself is dead, so the aplomb.

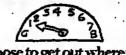
play sounds another false note. Belson solves the switch of Theater am Stadtpark in the industrial city of Winterthur.

Apart from the same basic plot, it bears little resemblance to the original, or the subsequent radio and TV adaptations by others. With his impish sense of humour, the author turned the story inside out and writing in new scenes and characters in rebearsal ended up with what is virtually a new play.

At 59 Friedrich Duerrenmatt ling salesman, with a brokenshould be at the top of his down Jaguar, who finds himself powers. And so he is. Why, dining with a quartet of elderly then, rehash an old tale-his ex-lawyers in a remote countryshort story of 25 years ago, pub- house. He gleefully joins in lished in England as A their prandial mock-trial, though as innocent or as guilty. as you or I-which seems to he the moral of Duerrenmatt's Breakdown)? It seems that his fable. Traps is convicted of nothing more beinous than a venial case of adultery, the discovery of which indirectly to the cuckold's death from a heart-attack. Traps claims full responsibility for the alleged murder and takes his own life. As director, Duerrenmatt is

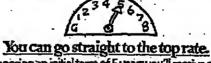
plainly guilty of over-indulging the gags, including that of ostentatiously replacing an absent stage - hand Winterthur, and the final masked Greek Chorus of the lawyers trails somewhat. But the gags, including that of flashback form, over the suicide's coffin, as it were, from which Peer Schmidt's woebegone Traps emerges Phoenix-like after the prologue to reenact his sorry tale, works Enrico Traps, the tragi-comic splendidly, and so does Karlhero, is a "moyen bomme Heinz Strouz as the overbear-sensuel," a typical Swiss travel- ing presiding judge.

Halifax Convertible Term Shares are specially designed for the investor with a lump sum of £500 or more who wants top rates of while still getting an excellent return on your investment. interest but may not wish to tie up his money for a long period. In many



You can choose to get out where you like. To come into the scheme you need only commit your money for as short a period as a one year.

Or you can choose any longer period of years from 2 to 5. In which case we'll pay you even better rates of interest.



By choosing an initial term of 5 years you'll receive our best rate of interest from the very beginning.

After the initial term you have the option of taking your money out or leaving it with us, subject to three months' notice of withdrawal, at premium rates which will go up year by year until the top rate

Paid-Up Share rate.

That's the beauty of Halifax Convertible Term. Shares.

The interest to be: added to balance subject to the maximum total holding \_\_\_ paid half-yearly We understand that the investment cannot be withdrawn before the initia erm has expired except in the case of death. FULL NAME(S) ADDRESS-DATE

You can plan your saving to suit your own specific requirements

But then, isn't that the kind of scheme you'd expect from the

**CURRENT INTEREST RATES** 

∵2

10.75% 11.00% 11.50%

15.36% | 15.71% | 16.43% |

WITHDRAWAL AFTER THE IN TIAL TERM & COMPLETED IS SUBJECT TO THREE MONTHS

NOTICE ETHER BY YOU OR BY THE SOCIETY,
MAXIMUM TOTAL HOLDING IN THE SOCIETY IS £15,000 FOR AN INDIVIDUAL, £30,000 FOR A
JOINT ACCOUNT.

SEND IN THIS COUPON NOW FOR OUR HIGHEST

INTEREST RATE EVER. To: Halifax Building Society

SYEAR 4YEAR 3YEAR 2YEAR TERMINARES

(Ref. LK.W.), P.O. Box 60, Trinity Road, Halifax HX1 2RG

3

12.00% 12.50%

17.14%

biggest building society in the world?

TERM OF YEARS

PAYABLE\*

RATE\*\*

RATE OF INTEREST

GROSS EQUIVALE

I VWe enclose a cheque; numbered.

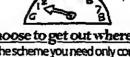
To be invested in: (TICKAPPROPRIATE BOXES)

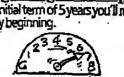
HALIFAX BUILDING SOCIETY, P.O. BOX 60, TRINITY ROAD, HALIFAX HX1 2RG PUT YOUR MONEY TO WORK WITH THE WORLD'S BIGGEST BUILDING SOCIETY.

\*CONVERTIBLE TERM SHARES INCLUDE A GUARANTEED PREMIUM IN ADDITION TO THE CURRENT PAID-UP SHARE RATE WHICH IS VARIABLE) OF 2% FOR 5 YEAR 1.50% FOR 4 YEAR 1.00% FOR 3 YEAR 0.50% FOR 2 YEAR AND 0.25% FOR 1 YEAR SHARES, AFTER THE INITIAL TERM THE GUARANTEED PREMIUM INCREASES ANNUALLY UNTIL THE MAXIMUM OF 2% IS REACHED IN THE IFITH AND SUBSEQUENT YEARS. \*\*THE ABOVE GROSS RATES OF INTEREST APPLY IF YOU BRY INCOME TAX AT THE BASIC RATE OF 30%.

An easy way to the top interest rates.

ways it's like going up in a lift.





You could stay in for longer.

By the fifth year your money will be earning 2% above the

And it goes on earning that top premium for as long as it stays in

### **FINANCIAL TIMES**

Bracken House, Cannon Street, London Ecap 4BY Telegrams: Finantimo, London PS4, Telex: 8954271, \$53397 Telephone : 01-248 2000

Tuesday January 8 1980

### The return of Mrs. Gandhi

THE RESULT of the Indian election represents a personal triumph for Mrs. Indira Gandhi. In just two years and nine months, she has clawed her way back from the ignominy of a crushing defeat to lead once again the world's largest democracy. She has done it on ber own. She has done it against the combined forces of all her political opponents. It is a truly extraordinary achlevement.

#### Democracy

But the result is also a triumph for Indian democracy. Between March, 1977, and January, 1980, 360m Indian voters have been given two chances to tell their political leaders how they want their country governed. In 1977, they gave vent to a set of powerful emotions against the excesses of Mrs. Gandhi's emergency. The voters offered India's opposition politicians a chance to show what they could do with the alternatives they had on offer. Mrs. Gandhi's opponents frittered away those years and failed to give the vntars the leadership they had been nremised. They too have now time, the Iodian people have been offered and have rejected a highly personalised dictatorshio; row, they have come hack with a plea for firm and effective government. For a country as underdeveloped and as framile ng India the gurvival of the dominantly attacess council he elections should have served to reinforce its strength.

#### Family bond

The danger is that Mrs. Gandhi will dwell on the verdict of the voters in January 1980, and will chooose to ignore what they said in March 1977. She berself has never apologised for the excesses of her emergency, nor bas she made any promises that she will not repeat them. Out s'excuse s'accuse has been ber watchword. Instead sha bas sought to re-establish the personal and family hond that she believed existed between berself nod the Indian masses. That bond is now re-established in the most unequivocal terms. The Indian people bave voted for their "matail" (mother).

It would be tragic, bowever, if India's yearning for strong Government led Mrs. Gandbi back towards the path of her emergency. The notion that a populist leader can govern a country as large as India through a rigorous, centralised autocracy is almost certainly doomed. India is too diverse, its regions, its languages, its religions, its cultures too varied for any single person or group of people to control it from Delhi. It is to be hoped that Mrs. Gandhl's headstrong son, Sanjay, has learned from the excesses of the sterilisation programme. The programme, designad to achieve the landahle aim of curbing India's fastgrowing population, was crude in origin and ham-fisted in execution, putting far too much power in the hands of petty local officials, many of wbom had scores of their own

#### Afghanistan

Something more subtle is needed in India than oldfashloned authoritarian rule. And the quality of people from which Mrs. Gandhi must now been told that enough is enough: choose her new cabinet, many In a relatively short space of of them handpicked by Sanjay, will make the tasks that face her new Government no easier. Those tacks are the sama as have faced all Indian Governments since independenceincreasingly violent regional and caste divisions, mass illiterey, mass poverty, a country steeped in conservative tradi-'lons whic make the job of the reformer all the harder. She is also faced by a new

threat to India's integrity from the north, following the Russian Invasion of Afghanistan. Mrs. Gandhi has traditionally regarded Russia as a friend to India, and has made no accret of ber distasta for and distrust of the U.S. One of the earliest and most significant decisions she will have to make is bow India reacts to Russia'e

In the longer run, bowever, Mrs. Gandhi will be judged by a simple criterion. The Indian people bave given ber an overwhelming endorsement as their leader. What they expect is economic advance, and end to violence, and the chance to vote against Mrs. Gandhl should she

### U.S. recession still awaited

its appearance was first hilled. here are still doubts about the timing and extent of the U.S. recession. I'wo major sectors of the economy remain weak: sales of domestically produced cars, and the housing sector. On the other hand the most recent evidence on some over important components of demaod shows renewed strength. Consumer spending, which faltered after the Fed's October measures and the ensuing financial shock, has recently been showing quite sharp gains—about three per cent on an annual hasis; and industrial investment is still ris-

### Worth examining

Tha simplest explanation of these divergent trends is simply toat coasumer demand and investment spending would normany be expected to turn down relatively late during the ouset of a recession, and that the weakness in housing, motors and that arising from an excessiva level of stocks will undoubtedly assert itself in due course, and this prohably remains the safest interpretation for the trading partners of the U.S. However, if the odds are to be assessed with any confidence, the question is worth examining a little further.

On the consumer side, the continuing etrength of demand is not altogether surprising. There is a growing body of evidence that the U.S. retail price index, both hecause its base is nearly two decades old, and because it gives altogether excessive weight to interest rates, has overstated the squeeze on real incomes.

### Other development

Since U.S. housing credit is normally on fixed interest terms, rising rates do not greatly affect most of the population; and charges for consumer credit are tax-deductible. Part of the strain is therefore horne by public finances-and the public sector deficit is already running far above bndgeted levels. In addition, recent surveys have ehown a revival in consumer confidence, based apparently on the expectation that the firm U.S. response to recent international tensions will generate higher defence spending. In short, fears of unemployment have heen allayed. reasonable control.

S.M.: ...IGH ....EN months after The recorded savings rate (prohably under-recorded) has therefore continued to fall. Apart from quite robust con-

sumer demand, industrial investment has been supported by other developments. The car industry, paradoxically, is a major spender, since there is a sellers' market for small, frugal cars. Aircraft and electronics are hooming even ahead of any defence buying.

Finally, it must be remem-bered that U.S. competitiveness has improved sharply with the decline of the dollar. The U.S. economy is essentially a postdevaluation economy. Because the appropriate fiscal and monetary policies have not been followed, the change has tended to make the current accound worse rather than better until recently. Now, however, the correction of the U.S. trade deficit is a considerable support to activity, even when domestic demand weakens. What is more, the U.S. authorities have remained willing, in an election yaar, to temper the wind to the victims of such tightening as has been achieved as witness support for Chrysler, and a number of measures to main tain the flow of honsing finance albeit at a price which new buyers now seem to find a little

### Little freedom

that these combined forces will be enough to prevent a downturn in activity within the next few months. There is no reason to suppose that the leading indicators have become entirely mis-leading, and the downturn in loan demand since October is especially telling. In addition, it must be remembered that the Administration has little freedom to act to head off a reces sion; the vulnerability of the dollar in the exchanges is a severe constraint, in spite of the continued though muted support of foreign central banks. All the same, the robust bebaviour of the U.S. consumer, the enthusiastic industrial response to new technology, and the attractiveness of the U.S. market to foreign productive investment does explain wby most forecasters are now coming down on the side of a short, shallow recession rather than a long, deep one, provided that the

dollar problem can be kept under

NE of the greatest differences between the invasion of Czechoslovakia and the invasion of Afgbanistan is that while the former was formerly a joint Warsaw Pact affair preceded by consultations among the Soviet's East European allies, the latter was a purely Soviet move about which its East European allies were probably not even told.

The difference is significant because in the long run it can he argued that the most important decisions and the most telling effects of the Soviet invasion of Afghanistan will be those affecting Eastern Europe. Until now the Western response to the invasion of Afgbanistan has concentrated on bow to raise the cost for the Soviet Union itself and on the direct means of bringing pres-sure to hear nn tha Soviet Union to make it withdraw from what Gladstone might have des-crihed as "the provinces they have desecrated and profaned." But East-West relations extend far beyond the question of great power relations between the Soviet Union and the U.S.-they also include tha

Comecon and Warsaw Pact allies in Eastern Europe. Eastern Europe's response to the invasion in many ways reflects the apprehension felt throughout thosa countries about the possible repercussions on their own relations with the West. One indication that Eastern Europe was taken by surprise by the invasion is the the four power agreement on delay of nearly a week before Berlin, and more questionably, the East European countries through the Helsinki agreestarted to comment on the ments. It would also cause conevents. Once they did a clear siderable problems for western distinction emerged between the pro-Soviet hardliners-East Germany. Czechoslnyakia and, for different reasons, Bnlgaria,

and the more nationalist and

question of relations between the West and the Soviet Union's

Poland and Hungary. eventually came ont with state- not yet heen considered, would ments of support for the Soviet in particular probably cause action as another brilliant many more problems to Poland example of proletarian interthan to the Soviet Union. But nationalism against an Im-Hungary, Czechoslovakia and Polandikie Polatical Common all had grain perialist plot. East Germany East Germany all bad bad grain and Czechoslovakia, because of harvests last year and the last their strategic positions and two countries are also relying post-war histories, are to all on western grain imports this intents and purposes Soviet year, occupied countries. Their hard A suspension of grain imports

in coming months is whether or not to count East European countries as an integral part of the Soviet bloc and extent to it the sort of restrictions on grain supplies, fishing rights, trade and finance now being set in motion against the Soviet Union itself. Another point to be considered is whether to treat the bloc as a whole-or to discriminate between the bard line pro-Soviet countries and the reluctant "me-tooers."

The price for any such course

## East Europe's fears about the Afghan adventure

BY ANTHONY ROBINSON, East Europe Correspondent





The unlikely connection: the commodities futures trading floor of the Chicago Board of Trade (left) where world prices of grains are settled and Checkpoint Charlie on the border between West and East Berlin, where the state of East-West relations has been measured.

made through the Ostpolitik, hanks, and government export credit institutions which hava lent over \$65bn to finance the purchase of western plant and equipment, much of which is to independent-minded East Euro- be re-paid through long term pean countries - Romania, compensation deals. A suspension of grain sales to Eastern The first group of countries Europe, which apparently has

line regimes bave the least free would not cause anyone in Eastern Europe as in other dom of manoeuvre and have Eastern Europe to starve — but spheres is most likely, however, also played the most important it would set in train large-scale be severely tested by the fears flanking role in supporting salignment which of bankers and businessmen soviet global foreign policy would cause grave consumer that political controls on Eastern Europe as in other businessmen between the controls on Eastern Europe as in other cause grave consumer that political controls on Eastern Europe as in other cause grave consumer that political controls on Eastern Europe as in other cause grave consumer that the controls on Eastern Europe as in other cause grave consumer that the control of the cont Soviet global foreign policy would cause grave consumer that political controls on East nitiatives.

Under these circumstances tainable in the long-suffering risk of default on existing loans one of the most important Soviet Union but would cause and cut export markets at a decisions likely to face the West grave political problems in time of approaching recession.

> nation treatment currently enjoyed by Romania, Poland, Hungary, would also further complicate the life of East European planners already facing considerable deht repayment expanded markets in the West pay for rising OPEC oil import needs.

would be high on both sides. A listeners to foreign radio pro- months it has repaid ahead of the East German state and party

war in Europe would call into scarce meat, fewer consumer question all the mutual gains goods, economic hardship and deteriorating relations with the West were the direct result of Soviet imperialism in Afghanistan could well prove a highly destabilising factor throughout

Eastern Europe. The inevitable result would be renewed repression and a further erosion of the already popular support enjoyed by most of the regimes in Eastern Europe. Far from Russia heing able to withdraw troops from Eastern Europe the Soviat army role as occupation force might bave to he strengthened and any bopes of multilateral progress balanced force reductions (MBFR) and reduction nuclear weapons beld

The willingness of Western governments to apply political restrictions on future economic and financial co-operation with

Restrictions on trade, such as blow at the already shaky intersuspension of most favoured national financial situation and would hurt Europe more than the U.S. The hulk of East-hloc lending is hy European and Japanese banks. At the same time East Europe is more vul- could jeopardise both. nerable than the Soviet Union material prices and bas in any case pursued an extremely co-report needs.

East Europeans are great gramme. Over the past 18

now accounts for only around 20 per cent of total East bloc While all West European

to reverse the progress made in better relations with countries like Hnngary and Poland in particular the most difficult chnices will have to be faced by the West German Government. Not only are West German bankers the largest single lenders and West German companies the leading exporters to East Europe but West Germany has the complication of its special relations with East Germany. This is partly economic in that the EEC considers East-West German trade as inner-German trade. This makes East Germany to some extent a bonorary

Much of the relative success of the East Germany economy is due to both its privileged market position and the access to West Germany technology which this arrangement gives. But the most delicate political and the Soviet Union. ing access to East Germany and East Berlio for West Germons and the four-power agreement which took much of the tension out of the Berlin problem. A

free annual "swing" credit.

One clear sign of the West problems, declining growth which is a major heneficiar. German desire to keep the lines rates, inflation and the need for from higher gold, oil and rav of communication open was the German desire to keep the lines early appourcement that the olarned meetings between Chancellor Schmidt and Soviet Preside-t Leorid Brezhnev and with

return to a new form of cold grammes and the idea that schedule well over \$1bn and chief Herr Erich Honecker would go ahead in spite of events in Afghanistan. This remains the official position but the Moscow visit in particular could well look less and less governments would be reinctant. likely as the overall Western

reaction davelops. The initial usual " reaction usual" reaction reflects the strength of the West German commitment to good relations with Eastern Europe and the Soviet Union. It also reflects more subtle fears about the effects which the Soviet Union action in Afghanistan could bave in setting off a generalised rightward shift in Europe and West Germany. Significantly the Soviet propaganda machine bas been remarkably restrained in recent months about, for of an increasingly consumer example, the emergence of oriented society and have Franz Josef Strauss as leader grown up to regard the Soviet of the Christian Democrats. Union as a potential threat. member of the Common Market, At the same time West Germany extends a DM 850m interest But a return to cold war attitudes could well lead to a resumption of Soviet propaganda-warnings about the dangers of "resurgent nazism." This could partially undo the results of

more than a decade of patient West German efforts to improve relations with Eastern Europe aspects of East-West German Such a climate would also relations concerns the slow hut frustrate West European hopes steady progress made in improvrelationship with the East in the 1980s—especially in the energy field. Most of Western return to cold war-type relations and gas and several West on less than sympathetic ears.

France and Italy ahare these Interests and have also had thei own special reasons for cultivat

noth countries, for example, review.

have large Communist Parties. But whereas the French party has moved steadily back to a crypto-Stalinist position and axpressed only muted criticism of the latest Soviet move, the Ital-ian party has come out with an uncompromisingly critical position, and possibly has hast-ened the day of that final public break of the Soviet link which many political observers in Italy believe to be necessary if the Italian Communist Party is ever to achieve a share of power in an Italian government. But the greatest dilemme is

now faced by Yugoslavia whose own unique non-alignment abroad and self-management socialism at home has made it the maverick of the world communist movement since 1948.

The invasion of Afghanistan co-incided with an outbreak of fresh fears about the health of President Tito, the man who made history by breaking with Stalin and the Soviet system in 1948. Tito's immense prestige and political skill have fended off many an attempt to bring about a return to the Soviet fold for more than three

But, as Sir Duncan Wilson a former British Ambassador to Belgrade points out in his recent book, Tito's Yugoslavia, Tito is also a man with a deep emotional attachment to the Soviet revolution in which he took part as a young man. This has meant that although Tito has nurtured Yugoslav independence he has also striven to Yugoslavia a basically socialist country ruled by one party, the League of Com-munists.

He also took care never to push the Soviet Union too far and established close links with Comecon as we'll as the Common Market while remaining nonaligne? and refusing to join either the Warsaw Pact or

The younger generation of Yugoslav leaders which will eventually follow him does not share Tito's emotional attachment. On the contrary younger Yugoslavs have tasted the fruits of an increasingly consumer Safeguarding Yugoslav Inde-

pendence without provoking the Soviet Union to precipitate action must now be one of the key issues to be examined by the West. Parhaps the most concrete move in this respect would be for the Common Market to act imaginatively and holdly by concinding the new five-year agreement which has been banging fire now for

Until now, Yugoslav demands that the Common Market take into account the country's Europe already imports consid- strategic and political importerable quantities of Soviet oil ance to the West bave fallen European countries bave ex- As a result Yugoslav dependpressed interest in linking the ence on Comecon trade has East-West electricity grids. Increased Allowing Yugoslavia renter access to Western markets and other assistance nuld well he one of the least ing closer trade and economic rainful and most constructive of the options now under

Asking for more -just once more

The University College Buckingham, one of Britain's 'we baven't enough tanks, can newest "independent" universities, has spent the last of the subscription.' he chided. £2m on donations with which It was opened in 1976. It is now appealing to industry and foundation trustees for a " and for all" injection of £3m which appeal director Caryl Ramsden claims confidently will set the college firmly on the road to "permanency.

Although the college is burdened with a heavy overdraft—
far too large for our wishes."

" says Peacock. But he does not rule out expansion Ramsden says-and is still about 200 short of its target of 550 students, this confidence is reflected throughout administration.

Prof. Alan Peacock, the newly-installed principal tells me: "If we get the £3m it would give us the kind of security on the capital account which would enable ust o go for more direct official recgnition." This be insists, is "a once-andfor-all effort."

The target is, of course, the Royal Charter which would set It still does not seem likely the seal on the university's financial and academic future. Since the appeal was formally launched in November, the college has been promised a £20,000 gift from Taylor Woodrow, and £10,000 a year for 10 years from the Bernard Sunley Foundatio. The appeal committee is somewhat diffident about approaching the founding benefactor, Lord Tanlaw, who gave £1m in the early 1970s, and nothing has yet been heard from other large-scale backers of those days, which included Shell.

Beechams and Unilever. Apart from the general ecoother ways. With the death last week of financial journalist Patrick Hutber the college lost one of its most successful fund-

raisers.

School of Economics is trying to raise £2m," says Sir Max Beloff, former principal. "That's like the Ministry of Defence saying 'we baven't enough tanks, can

To date the college has operated very much on a shoestring. Housing students and lecture rooms in converted huildings which range from a redundant Unigate dairy to an 18th century harracks; it has also stuck to a low capital cost syllahus, based on law, economics and accounting.

"Wa have a strong vocational does not rule out expansion into other fields. Talking with feliow academics he says he was surprised that aoma science teachers felt lt might be good if they could get hack to the times when students huilt their own equipment. "They seemed to learn a lot more in those

### **Bone of contention**

Civil servants keen to follow instructions and make cuts might sharpen their teeth on that anomalous arm of their own bureaucracy which, according to the Ministry of Agriculture, spent £1.6m of public money on collecting fim in dog licence fees in 1978-79. The cost of a dog licence, as I keep reminding anyone who will listen, was last raised in 1878 to 374p. The Ministry reckons the present-day present-day equivalent is £7 to £8.

### Uprooting phones

Talks began yesterday between the Post Office and the Channel nomic difficulties, the college Islands Telecommunications has also suffered painfully in Board about ensuring that the islands are never again cut off from the outside world.

Just before Christmas the islands' telephone, telex and computer links with the UK Prospects have also been mainland was completely marred by state-financed universevered when two submarine



"We can only mid-Channel. assume," says Deputy John Ellis, president of the Board, "that it was a ship dragging its anchor, but there's no way of

The only line left was via a small cable link with France, on which calls had to be restricted to three minutes with up to five hours' delay-about par for the course in Upper Volta, but not what Jersey's financial community expects. Cut off from the international

money markets, local bankers, brokers and others resorted to chartering planes and sending emissaries on scheduled flights to the mainland, but the four days' isolation still brought heavy business losses. Yes, concedes Ellis a trifle wearily, there bas been a certain amount of screeching by the finance houses: "But we are well aware of the need to have first-class telecommunications to serve the financial centre Jersey has be-

Ever-enthusiastic about high technology, the ousiness community has renewed its demands for Jersey's very own eateilite sities making excursions into cables were fractured in link—an idea discussed by the

Talecommunications Board after the cables were first mauled hy an anchor in 1977. The obstacle to that was, and presumably still is, cost; the

bill for the telecommunications link hetween the islands and the mainland is shared equally with the Post Office. A microwave link is another possibility. We have one between the Islands, hut once you get over 70 miles you get a lot of fading and crackling," says Ellis.

#### **VAT** bandits Mexican traders /lth a" eye for

" fast peso" wera quick to Government introduced 10 per cent value addad tax on many goods and services. In the few days since it was first applied thousands of indignant complaints about VAT-banditry have poured into

the country's consumer protection agency. Shopkeepers accused of charging the tax on exempt articles like unprocessed foods, and some Mexico City taxi drivers have taken to asking passengers for an extra 10 per cent on top of regular

fares. The Government, which has suffered long in its efforts to extract other taxes from the populace, has reacted promptly to the threat to the national exchequer hy promising severe action against VAT fiddlers. Even relatively modest

offences such as carrying a double set of books or refusing to give a shopper a VAT receipt will attract fines of between £600 and £12,000-for the wors: offenders judges have been empowered to order up to nine years in prison.

### Now you see 'em...

"Britain's trade plagued by vanishing invisibles,"—headline from the New York Times.

**Observer** 

### Questions answered m about your

O: In these days it is hard to estimate what I may have to leave when the time comes. I want to be fair to close relatives, but I also want to benefit a cause close to my heart. How can I best ensure both? A: Most of us have a similar problem, with

inflation. The sensible course is probably to leave fixed proportions of your estate to the individuals you wish to remember-say 20% to one, 15% to another and so on—and then the residue to the cause you wish to help. Q: I wish to remember old people, since they

seem certain to be in continued need, but their needs may change. How can I anticipate what they may be? A: Help the Aged has a justified reputation for keeping well abreast of the needs of old

people, and has pioneered a great deal of much-needed work for lonely, sick, hungry and despairing old people. Their trustees are especially careful to make maximum use of volunteers in daily touch with the elderly. thereby ensuring the most practical response to need and obtaining the utmost value for each bequest.

They publish two useful guides for those considering their wills; and I often commend these to clients to study in advance of consulting me. Copies may be obtained free on request by writing to: Hon, Treasurer, The Rt, Hon, Lord Maybray-King, Help the Aged, Room FT1L, FREEPOST 30, London W1E 7JZ. (No stamp

### Technology: Britain's need for winners

By CHRISTOPHER LORENZ, Management Editor

BRITISH INDUSTRY must ment than might have been introduce new technology into expected. its products and factories faster competitiveness in world marpetitors in these and other fields kets. Yet it is doing precisely of technology, the ACARD the opposite by neglecting re-report presents the case for search and development and urgent remedial action on the

As a result, it is putting at tional world, risk the nation's survival as a trading nation, not to speak of suggestions, though in cloaked bundreds of thousands of jobs— form, is for a return to the far more than will be lost if policy of "picking likely wintrade union resistance and managerial inaction succeed in promising industrial sectors, and promising industrial sectors, and

This is the gloomy picture to emerga from two new reports. from highly respected advisory and research bodies, on the and research codies, on the threats and opportunities posed by technological change. The first, published yester-day by the Cabinet Office, is

from the Government's Advisory Council for Applied Research and Development (AGARD). The second, which will appear in the February issue of the Journal Futures, is by Keith Pavitt of the Science Policy Research Unit at the University of Sussex.\*\*

The ACARD report is the third and last in a ceries which was originally sparked by the last Government's concern about the social and industrial effects of microprocessors. It was prepared by a committee of academics, industrialists and trade unionists,

Their brief was to examine. the likely impact of new technology on employment. But, by presenting a much more broadly based examination of the social and economic threats which is intensifying competi-and opportunities presented by tion between the developed new technologies particularly nations; and the increase in com-in the fields of energy petition from low wage-cost parterials and biology, as well Third World countries, electronics—they bave pro-

than other industrialised tion of the rapidly emerging countries if it is to recover its strengths of Britain's comtion of the rapidly emerging other parts of the innovation part of the Government as well as by industry and the educa-

One of its most controversial delaying the adoption of new backing them accordingly. This technology, electronic or other approach was abandoned as politically unacceptable by the

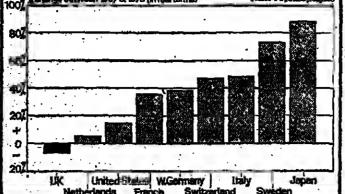
last Government.
The scope of the ACARD report and Pavitt's study is different; ACARD concentrates on UK problems and policy, while Pavitt deals with the entire OECD area, producing a series of graphic national comparisons in which Britain repeatedly comes off worst, except perhaps for Canada.

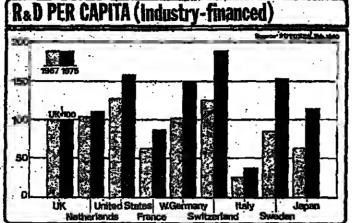
But together the two reports underline why it is becoming important for manufacturing industry throughout the West to step up the rate of technological innovation, and why govern-ment-support programmes are necessary even in a so-called "market economy."

The reason why more innovation is needed is to give a new lift to industrial productivity, not only in Britain, but even in those paragons of industrial efficiency, Switzerland and West Germany.

The main motives for greater productivity are threefold: the continued increase in labour costs at a very rapid rate; the electronics—they bave pro-especially in the maturer indus-tived a more valuable docu-tries like steel, cars and ship-

TRENDS IN INDUSTRY-FINANCED R&D Set against Pavitt's descrip-100] Zdrange butween 1967 & 1976 (in real terms)





save energy, the growing shortage of certain materials, and the play in this process if unemployemergence from tha laboratories of inventions which show great minim promise for commercial 1990s. exploitation and the foundation Amic of new industries, such as biotechnology.

Much of this has been said an

building, but now even in some before by one advisory group areas of chemicals and elector another. But the ACARD Among the additional pres-sures for greater innovation aCARD cites are the need to wealth and jobs are created, and the role which technology must

ment is to be kept to a minimum in tha 1980s and

obviously lacking. With processors and other techno- the ten countries, it was only demand, high profits, survival ACARD's help, the managerial logical demons. Refusing to in Britain that the absolute of the fittest firms, and the and political debate about new make any statistical forecast, it level of industry-financed R and rest.

ACARD points out that new businesses on the basis of desirable social improvements those very changes. can only be achieved if the country generates more wealth. This in turn relies on the creation of marketabla new products, together with chemical sector—the ACARD increased productivity in the study is less comprehensive making of existing products, than the Sussex research which Indeed, ACARD warns that Mr. Pavitt reports in Futures. only by increasing output per First, he lays out the head through the application of statistical evidence behind the labour-saving technology can any employment et all be guaranteed in mature industries

in 10 years' time." Such a policy, it concedes, will tor of economic growth, and of reduce employment in existing manufacturing enterprises. Since some of the maturer sec tors may also disappear in the face of Third World competition. ACARD emphasises the crucial importance of "identifying and fostering" those industries capable of generating substan-tial new wealth and employ-ment and to "concentrate our efforts" on them ("picking likely winners," in other words).

following a failure to innovate than from the introduction of new technology," the report points out. Conversely, if the introduction of new technology leads to an increase in the comnany's market share, then it can almost invariably offer an increase in employment.

ACARD is extremely tactful in the way it disposes of the land, the U.S. and even Italy. mnch-publicised "pessimistic" Only Canada challenges the UK view about the empinyment impact of new technology, end in its esponsal of the "optimistic" of the property of the propert in its esponsal of the "opti-mistic" school of thought. But

technology may now get on to stresses that the net effect on a sounder footing, and produce employment of changes in techmore action to match all the nology depends on a mass of ords. uncertain variables, including Taking the bull by tha borns, industry's ability to develop

> For an assessment of British industry's current (in)ability to do any such thing-with a few obvious exceptions, notably the argument that innovation-and

> particularly the development of new products—is becoming an increasingly important genera-

#### Indicators

He then plots, and relates together, the long-term trends in a series of economic indica-tors, to suggest which of 10 leading OECD countries are in the best position to exploit the technological opportunities of tha 1980s. Among the indicators "More unemployment results be uses are productivity; the from (the) loss of market share overall performance of manufectured exports and their unit value; industry's spending on research and development: issue of U.S. patents to foreign nationals or companies.

In almost every respect, Britain is in a worse position than the others: Belgium, France, Germany,

The most dramatic difference Amid all the rectoric about it is clearly impatient with is in spending trends on rethe social effects of microspeculation about bow many processors and the like, such millions of people will be of the most important "innoan explanation has been "thrown out of work" by microvotive activities "of all. Out of

GENERAL

marina.

port on nurses' pay.

level of industry-financed R and D fell in real terms between 1967 and 1975; see the top chart.

One of the underlying causes may have been that Britain was the only country to abow a association between trends in industrial profitability on the one hand, and R and D spending on the other. In other words, to quote Pavitt, it was only British industry which treated R and D " as an expendable activity when times were bard, rather than as a necessary investment for long-term survival."

The second chart illustrates the consequences: in terms of All of which is not to say that R and D spending per head of either Pavitt or ACARD population between 1967 and absolve industry of any respon-1975, Britain fell further behind, or was overtaken by, six of the ten countries: Germany, Japan, Netherlands, Sweden, Switzer-land and the U.S. France rapidly closed the gap (and may now have done so). A depresingly similar pattern emerges from Pavitt's analysis of another indicator of innovative activity. the issue of U.S. patents to foreigners between 1963 and

If all these trenda continue, Pavitt suggests, Japan will join Germany, Sweden and Switzerland in the first division of countries with strong capacities for innovation. Netherlands and parbaps the U.S. may begin to lose some of their strength. In the second division, meanwhile, France and Belginm wili be working their way steadily towards promotion, while Italy, Canada and the UK "will be Threats and Opportunities for stuck or declining."

Is there a way out? Provided action is taken soon, both Pavitt and ACARD think there is. But they both reject as in-adequate the traditional freemarket dngma that the best for innovation

On its own, such e policy could only work in countric already in the first division says Pavitt (in fact, all the governments among this elite provide all aorts of incentives for innovation). For poo-Britain, threatened even with relegation from the secon' division, ACARD does argue strongly for greater stability in fiscal, economic and industria policies. But it is even more forceful in support of specific government measures to foster those sectors most likely to "winners" in the technological race.

sibility to pull up Its socks on its own. In a few searing paragraphs which every British businessman should read. ACARD demolishes the entire defensive strategy employed by so many UK companies in the face of technological competithem to go on to the attack.

ACARD suggests that UK
manufacturers emulate the aggressive Japanese view, and approach investment decisions on the assumption that they will capture a large percentage of the relevant world market. Such a change in stretegy would be welcome, but it would require a revolution in British management's ebility to respond quickly to the market, and in it willingness to take risks. It is an alarmingly tall order,
Technological Ch

the United Kingdom. HMSO \*\* Futures. Published bi

monthly by IPC Science and Technology Press, P.O. Box 6" Westbury House, Bury Stree Guildford, Surrey GU2 5BP Annual corporate subscription simply to create the right £40 (\$104 in U.S.A.); individuo economic climate: buoyant sub £26 (\$65 in U.S.A.).

### Letters to the Editor

Strategy for Europe

TO Rever t

ing Coming

na io loi Par n

Which wa

ional me

ted the ins

and has

al Utreat 1265'ar mi 1 07070ER

10 precipie

or one of th

ags the me

ansover &

at which a

en demma

Market W

2.100 miles

·- ·:::TIZ

The Bar

what I

er heart

17 WILL

 $\gamma_{i,j}^{1}(y,y,y)$ 

10 th

inen

he p

w and I

a deat of

The state of the s

The state of the s

for theil

Calculation.

enaculties.

E CHESS DE

No 5:207

itim crit

ALL SELECT

From Mr. G. Bunce Sir,-I have read with interest the correspondence following my it was agreed we would bave a letter of December 12, and I am glad to find some agreement cheque ready in seven days time, with Mr. Butler (December 14) time.

With Mr. Butler (December 14) time.

Imagine our surprise when, on the fifth day, bailiffs arrived with a warrant from Inland deplore the Green Pound, which is another form of subsidy, posi-tive for some and negative for

The legislative and fiscal measures Mr. Meakin proposes bave been tried already without success, probably because the financial inducements were not great enough; and there is now no money to spare, as the Euro-A realistic new direction will as everyone el only he found when EEC W. C. Young members accept with common Smith and Younderstanding that their fundamental problems derive from be fact that their policies were

hid down at a time of apparently indefinite growth, but are substantially unrealistic and unsuitabla to the realities of the

present economic climate. Radical changes in the EEG were demanded when the post1974 oil price rises resulted in significant transfer of wealth to the Organisation of Petroleum Exporting Countries, EEC-members and the West as a whole failed to respond-adequately to this situation, and this applies also to the increas-ing influence of the newly industrialised developing countries. This inflexibility has led to a

massive waste of resources: overproduction in agriculture, excess production in agriculture, excess capacity in industries such esateel, textiles and shipbuilding, and high unemployment; are depriving the EEC of the opportunity to develop international trade with newly industrialised countries; where emple low-cost labour woud enable goods in be produced cheaply, if necessary skills and more edvanced products were traded by the EEC. These are the countries with the need and potential for growth; with OPEC countries they demonstrate the new emerging

world economic order. By retention of outmoded policies, failure to respond to newly industrialised countries. and wasted resources, the EEC demonstrates an introspective capacity which is self-defeating self-destructive. This

attitude applies to much of Community policies, influences nany industries and their onstituent businesses-agriculure has many of the attributes. Who is to give the lead? view is that it must come om the business world.

Speed House, Barbican, EC2.

### axman's 👵

Fro the Joint Monaging Dirtor Smith and Young Si Following Mr. A. E. Goodg's letter (Dec. 31), I fully support bis point that Inlangevenne's powers should be bright into line with normal commeial practice.

Not so long ago, my company,

cheque ready in seven days'

with a warrant from Inland Revenue with the intention of distraining an equivalent value on our goods. It so happened As Mr. Wistrich comments (December 22), Mr. Meakin's (December 17) political clout is more noisy than numerically important, and the elected premises until it had been European Parliament will give arranged that afternoon at contit only its due consideration.

The Marketing Society, Spa House, Sp add insult to injury, a collection charge of some £80 was made and bad also to be paid. Our

subsequent protests at this treatment were brushed aside. This is another example of the petty harassment to which busipean Parliament is well aware. nesses, particularly small ones, indeed, financial pressure is are subjected. If the Govern-likely to be the lever to force ment means to belp small firms, rational discussion and ré this totalitarian practice should shaping on the Common Agricult he atopped. Inland Revenue tural Policy and all EEC policy. Should have to go to the Courts nesses, particularly small ones, as everyone else does.

> Smith and Young. 40. Crimscott Street, SE1.

### Advertising agencies

From the Director General, The Marketing Society

Sir,-As e former practitioner myself, now in a position impar-tially to judge the wider scene, I must react to the extremism of Mr. Sutherland's letter

(January 4).
He says that people in advertising agencies are:—"Odd."
Compared with whom? People who write to newspapers? "Narcissistic." Surely such inproversion would be incompatible with the opportunism required to "breed on the ignorance and apathy of their customers." "Obsessed by what other agencies think of their work." Are not other musicians tha best judges of musical performance? Journalists of other journalism? Efficacy is the proper measure of advertising success and I have yet to meet the advertising executiva who does not care far more about increased client sales (leading to increased advertising budgets and increased remuneration) than he does about creative

I would agree that British industry (or at least a signifi-cant proportion of its smaller components) should wake upwake up to reservoir of market. ing advice which the marketing community, including advertising agencies, has to offer. At least once every formight I get a telephone call from yet another struggling company usually because, as is readily volunteered, they "know nothing about marketing" and having spent a lot of money failing to launch a new project without professional support now want Sometimes they cannot be helped, sometimes one or more - specialist consultancies

can be named as likely to be of help. More often than not discussions can be arranged with two or three advertising agencies. In the process the invalid usually discovers the rates of "personal" taxation. cure and although no business may result for the agencies no

accordingly.

Perhaps the agencies, in doing just what Mr. Sutherland the first year. On this analysis dustries could make a start to the firm what the tax is called, towards earning bis censure on the same grounds. Malcolm Thomas.

The Marketing Society.

From Mrs. S. Forsyth Sir,—In his article of December 28 Michael Donne expresses concern for the British Airport concern for the Estitish Airport
Anthority which will have had
three "fights" on its hands in
the spece of a few months.
It will he says "tax it
financially ... which means it
will pass the burden on to
airlines and passengers."

Unfortunately those of us around Stansted, which has been found by two previous public inquiries to be an unsultable place for the development of a major sirport, bave no such option. Thousands of us in this area have now paid three times on our taxes for civil servants on our fares for civil servants to put forward ideas which have already been rejected twice— bave paid on our rates to the Essex and Hertfordshire County Councils win have been, and continue to be, edamantly against this development.

Now we are to give of our time, nur homes, our money for a third time and we earnestly feel that anxiety is more appropriate for the complete lack of justice this situation represents. Not least we ask at this stage, if the inquiry is to mean anything what alternatives does the Govern-ment eee if the inquiry does not sanction the development at

Stansted? (Mrs.) Susan Forsyth, North West Essex and East Herts Preservation Association, Good Easter, Nr. Chelmsford,

### **Employment** in small firms

From Mr. E. Woolf Sir,—In his Lombard column of December 20 Anatols Kaletsky draws our at ntion to the difference between the growth of employment in small firms in the U.S. and UK respectively.

While his analysis is interesting so far as the poor showing of amali firms in the UK is concerned, be overlooks a major critical factor.

For many years computation of PAYE by reference to personal circumstances employees has masked its true incidence. In fact, by any rational appraisal, PAYE is a corporate burden, and there are many statistics to substantiate this at both macro and micro level. For example, wages and for virtually the same proporirrespective of any changes in

Employment-based taxation (including national insurance) falls particularly harshly on months for the long term (and Binstead, Isle of Wight.

I agree also that all successful small firms. Merely to employ more generous) invalidity benea private one, was a couple of markating, not just advertising, two members of staff, providing fit. Unemployment is viewed as weeks overdue in paying our stems from finding out what them with a take-home pay of, a short term phenomena and monthly PAYE and NHI cheque. appeals to people and acting say, £3,000 each, necessitates a there is no long term benefit total payment to the Inland for claimants once they have and after we had explained we Perhaps the agencies, in doing Revenue in excess of £3,000 in exhausted their right to this advises, bave succeeded to a corporation tax becomes irre- link for unemployment benefit degree which, in his viaw, levant it is take-home pay, after (and presumably the ordinary makes them parasites. I would all, that people are interested supplementary benefit scale only wish that more of our in- in, and it makes no difference rate on which so many unemdustries could make a start to the firm what the tax is called ployed depend) would be a or by reference to what external factors its computation is based. What metters is where it comes from, and it is the company that writes out the cheques to the

Surely the fact that the vast majority of first-year bankrupt- fifty years. cies are instigated by "AT and Are tax PAYE authorities should give a a more rigorous control of whet cive to Mr. Kaletsky, and other commentators on our current economic situation.

E. H. Woolf. 20, Chesterford Gardens. Hampstead, NW3.

### The value of benefits

From Mr. F. Field, MP Sir,-Samuel Brittan's pertinent comments (Jan. 3) on the Government's fallure to, at the very least, index child benefit belps answer Mr. D. G. Lindsay's letter (Jan. 2). Mr. Lindsay maintains that the child benefit scheme has failed both low income families "for whom the level of benefit is inadequate" and widdle class families who and middle class families, who have lost their child tax allowances which, bad they continued today, "would have been of significantly greater value." But

would they? Mr. Lindsay manages to miss the big potential of the child benefit scheme which for the first time gives all families, both rich and poor, a fundamental interest in common. I had hoped that the introduction of the scheme would have signalled the start of a really effective family lobby — and I am still hopeful about this.

What I can't explain is why middla class families have taken so passively (for the moment anyway) the Government's failure to increase child benefit. Before the election the present Chancellor promised to view a rise in child benefit in the same public expenditure terms as the revenue loss resulting from tax cuts. The Budget cut taxation by £4.5bn, but only £8m went to some children of single parent families. If a Tory Government is prepared to ignore the legitimate needs of its middle class voters, then on what grounds does Mr. Lindsay think child benefit (or family allowances as the scheme was called) would have increased for poor families under a

Thatcher Government? In his article Samuel Brittan also reviewed the debate on breaking the indexation of short term benefits. I disagree with him when he argues that it's "crazy" to drop the index link-ing of benefits as a back door when they have voted to index to let, in many places. link their own pay.

salaries heve tended to account, ful distinction in the effect of own bome, thus relatively little de-indexing short- and long-term capital is necessary to get going; tion of gross national product benefits but this distinction also they can normally be run over the past 30 years or more, only holds if the categories are easily by "over-50s" who might benefits but this distinction also they can normally be run a true description of two groups bave difficulty in finding other of beneficiaries. Sickness benefit work. is a short term benefit and A. G. Wills. claimants can qualify after six Boulders Mead, Quarr Road,

short term benefit. To break the particularly vicious move. Every research report shows that it is the unemployed with children who have the lowest standard of living. Moreover, unemployment benefit bas not been cut in real terms at any time over the last

Are tax cuts for the rich and expenditure, more important goals than the level of benefit paid to the nnemployed who, nn the Government's own estimate, will increase in numbers in the foreseeable friture?

House of Commons, SW1,

### Installation

grants From Mr. J. Heddle !'P Sir,-Peter O'Connell's "Installation grants for pool f is (December 21) follow, survey carried out by the National Consumers Co. .ell in I think, less than wholly fair. In answer to a Parliamentary Question I asked ou Novembo

19 enquiring why only £Sn o of a total of £23m allocated in been taken up for bome install tion, Mr. Geoffrey Finsberg M. the Minister of State at the Department of the Environme. said: "Difficulties with the supply of materials during last winter's industrial disputes bave undoubtedly contributed to the alow take up. But more than 400,000 applications for grants were accepted by iocal authorities between the start of the scheme in September, 1978 and the end of the financial year. national Press campaign to pullicise changes in the schore of to encourage take up in the present financial year was launched on November 1. Free leafiets and posters bave bec-sent to all local anthorities for use in their areas."

Certainly my experience in my constituency tells me that the home installation scheme is well-known, but it is surely too early to judge the effectiveness of the bome installation scheme 1978 until the full results of the research into its operation are published later this year. John Heddle. House of Commons, SW1.

### Making a

From A. G. Wills

Sir,—Mir, R. C. Owen (December 29) asks for ways to reduce unemployment caused by works closures, etc. For method of reducing the real those prepared to move to a value of short term benefits. It holiday resort or other suitable is surely more than crazy for place, there is still a great MPs to propose such a move shortage of good accommodation

Small letting businesses, fortu-Samuel Brittan makes a use- nately can be started from one's

#### Today's Events UK: Management and ataff sides meet to discuss Clegg rein the 1980s, at International

General and Municipal Workers Union regional deleand Municipal gate conference opens on local U.S. Defence Secretary, and Mr. Mohamed Hosni Mobarak, Egypauthority manual workers' pay. Mr. Nikolai Lunkov, Soviet Ambassador, visits Brighton tian vice-president, visit China. European central bankers meet

Sir Peter Gadsden, Lord Mayor

Advertising Association lunch, Overseas: Mr. Harold Brown,

of London, lunches with Barclays OFFICIAL STATISTICS

Bank chairman, Lombard Street.

Mr. David Putnam, film producer, speaks on the film industry

Mr. David Putnam, film producer, speaks on the film industry

Mr. David Putnam, film producer, speaks on the film industry

liabilities, reserve assets, reserv ratios and special deposits (mid-COMPANY MEETINGS Wade Potteries, Mancheste Pottery, Burslem, Stoke-on-Tren

ber). London clearing bank monthly statement (mic

COMPANY RESULTS

Final dividends: Iovestor Capital Trust. Winterbottom Trust. Interim dividends: Pete Black Holdings. Stead and Simpson, Technology Investmentrust.

Notice of Redemption

#### **Avon Overseas Capital Corporation** 61/4 % Guaranteed Bonds Due 1981

NOTICE IS HEREBY GIVEN that, pursuant to the provisions of the Indenture dated as of February 1, 1966 under which the above described Bonds were issued, First National City Bank (now Citibank, N.A.), as Trustee, has drawn by lot for redemption on February 1, 1980 ("sinking fund redemption date"), through the operation of the sinking fund provided for in the said Indenture, \$1,500,000 principal amount of Bonds of the said issue of the following distinctive numbers:

COUPON BONDS OF \$1.000 PRINCIPAL AMOUNT OUTSTANDING

The Bonds specified above, are to be redecimed for the said sinking fund at Citibank, N.A., 111 Wall Street, 2nd Floor—Bond Windows, in the Borough of Manhattan, The City of New York; or at the main offices of Citibank, N.A. in London (Citibank House), Amsterdam, Paris, Frankfurt, Milan, Brussels, and Banque de Paris et des Pays-Bas pour le Grand-Duche de Luxembourg in Luxembourg. as the Company's paying agents, and will become due and payable on February 1, 1980 at the redemptim price of 100 percent of the principal amount thereof plus accrued interest on said principal amount to such date. On and after such date, interest on the said Bonds will cease to accrue. After the redemption date there will remain outstanding \$1,500,000 principal amount of Bonds.

The said Bonds should be presented and surrendered at the offices set forth above on the redemp-

tion date with all interest coupons maturing subsequent to the redeinption date.

Coupons due February 1, 1980 should be detached and presented for payment in the usual manner.

AVON OVERSEAS CAPITAL CORPORATION

By: CITIBANK, N.A.

NOTICE

The following Bonds previously called for redemption have not as yet been presented for payments:

**BIDS AND DEALS** 

Globe offers

W of E Trust

Globe Investment Trust, the funds managed by Tyndall and reest investment trust in the certain other shareholders.

£18m for

BY ARNOLD KRANSDORFF

largest investment trust in the UK, has made an agreed bid worth £18m for West of England

Trust, an investment services

company which owns the Tyndall

Glube, which merged with Cable Trust in 1977, has total assets of around £270m, while

West's net assets amount to £9m.

per cent stake in West, while Globe holds 87 per cent of

Mr. A. E. M. Harbottle, chair-

man of West, is also e director of

management, particularly over-

Glohe.

Group of fund managers.

ing the announcement.

### Brown and Tawse little changed at half year

and Tawse, steel and tube stockbolder and engineer, were little changed at £2.07m for the balf year to September 30, 1979, against £2,03m last time, on sales up from £24.59m to £28.51m. However, with the company's

full-year outcome.

In the last full year, pre-tax profits were up 15 per cent to £3.81m, oo sales 17 per cent bigher at £49.72m.

Mr. Rae says demand for steel and tube products bas remained steady and sales of hydranlic plant and equipment bave continued at s good level.

	Six months			
•	1979	1978		
•	£000 ·	0003		
Sales	28,513	24,591		
Trading profil	2,737	2,597		
Interest	375	286		
Napraciation	287	278		
Profit before tax	2,075	2,033		
Taxation	1,079	1,057		
Net profit	996	976		
Preference div	2	2		
Attrib. to ord	994	974		
Ordinary dividands	142	139		
Retained	852	835		
. Retained				

DIVIDENDS ANNOUNCED Date Corre Total Total
Current of sponding for last payment payment div. year year 1.65 4.35

April 7 1.3 Feb. 1 \*0.66 Brown & Tawse ... int. 1.4 Dividends shown pence per share net except where otherwise stated \* Equivalent after allowing for scrip issue. † On capital increased by rights and/or acquisition issues.

after interest increased from (around 55 per cent group after interest increased from £286,000 to £375,000 and depreciation of £287,000 (£278,000).

After-tax earnings per 25p share are shown as 9.8p (9.6p), while the net interim dividend is raised from 1.3p to 1.4p—last year's total was 5.8p.

comment

Despite the slack market and the BSC strike, the outlook for Brown and Tawse is not as gloomy as it is for many other steel stockholders. In the first place the company does not handle steel sheet—the side of During the second balf, the industry where supply interest and many other costs have been rising, but sales are being well maintained.

\*\*Second balf, the industry where supply current that the profits should be in the region of £4m, indicating a fully-taxed current that the profits should be in the region of £4m, indicating a fully-taxed profits should be in the region of £4m, indicating a fully-taxed beauty of £5 at 124p while the yield demand. Secondly, the BSC is is 7.4 per cent assuming a 10 per not a major supplier of material cent dividend rise.

The first-half result was struck for B and T's steel pipe business profits) while the growing plant hire subsidiary provides e useful element of diversification. Much. of course, will depend on the length of the steel strike. A short dispute will have virtually no effect, but if it becomes pro-tracted, B and Ts record of 10 years of uninterrupted growth could come to an end. However, with stocks roughly a tenth higher than summer levels, the company should be able to ride east a dispute leasing up to sight out a dispute lasting up to eight weeks. In this event, full-year

### CMT starts well and making review of performance levels

THE CURRENT year has started encouragingly at the Central Manufacturing and Trading Groop with sales showing a marked improvement over the corresponding period of the previous year, says Mr. N. A. Hickman, in his first annual statement as chairman.

With the group's extensive range of products constantly being improved, it is well placed to take full edvantage of

being improved, it is well placed to take full edvantage of opportunities as they occur. Despite this, high interest rates still give cause for concern, he

As the level of demand for industrial products in the UK appears static, the group is cootinually reviewing the contribution each of its companies makes to overall profits. Mr. Hickman says that if it is not making a worthwhile return on capital employed and the foreseeable future looks bleak, the outcome may be reorganisation

of the business.

While this is unpalatable it is still necessary for a healthler future, be states.

In this respect, the size of the business of Baxters (holts, screws and rivets) has been reduced since the year-end, where low volume of work and uneconomical prices obtained for some products, coupled with (subject to adjustment for the cheap imports, were major factors in its recent poor results. Plastech International Designs, bars for at least 12 months. The Marina, at Upton-upon bas heen closed and its profitable

At the balfway stage profits had risen to £3.22m (£2.93m), and the directors said that with the second half making the greater. has retained an option to buy contribution to earnings, the full year of £941.000.

Since Bibby hought a 20 per cent stake in Sterilin in 1977, it second half making the greater. has retained an option to buy contribution to earnings, the full year of £941.000.

The Marina, at Upton-upon year should be satisfactory.

At the balfway stage profits had risen to £3.22m (£2.93m), and cent stake in Sterilin in 1977, it second half making the greater. has retained an option to buy outstanding share capital on year should be satisfactory.

The Marina, at Upton-upon year should be satisfactory.

We are proud to announce the

office in Panama City, where we will be able to provide faster, more effi-

cient service to all of Central America.

commerce and Panama's increasingly

important role in regional affairs, we

are looking forward to growing along

with this dynamic, fast moving nation.

Our new Panama office is linked with

world and to our 157 branches in Japan.

Through this network, we can provide:

clients with complete marketing and

financial information for any country

or region.

our many other offices around the

With the tremendous influence of

opening of a new representative

the Panama Canal on the world's

share.
The group is engaged in industrial services, light engineering, metal processing, steel stock-bolding and tubes, fittings and

forgings.
At balance date, group fixed assets reached £21.22m (£14.01m), while net current assets were down slightly at £11.62m (£11.75m). Borrowings increased from £2,13m to £3.62m. A professional revaluation of group properties as at July 31, 1979, showed a surplus over book values of £3.42m, which has been incorporated in the halance sbeet

A Daiwa Representative Office

in Panama City opens on January 8th.

East meets west at the world's busiest crossroads.

Our address is

### trading on target

WITH reasonable trading during the next few weeks, the directors of H. Samnel, leweller, say that results for the year ended January 31, 1980, should again

be setisfectory.

They add that trading in the 11 months to end 1979 was very much in line with their expectations.

Last year the group pushed ... pre-tax profits from £10.4m to a.... Meeting, Birmingham, Febru- 185,12m, against £53,92m. The interim dividend for 1979-

Drop by soon, and say "Buenos Dias".

SOUTH AMERICA:

12th floor, Bank of Boston Bldg.

Panama, Republic of Panama

Telex: 368-2451 Tel: 69-6182

PANAMA

NORTH AMERICA

Via España y Calle Elvira-Mendez

### Bibby buys rest of Sterilin for £4.4m

-I. Bibby and Sons will ecquire for around £4.4m the outstanding THRD MARINA FOR
YULE CATTO
Yule Catto and Co. has agreed to acquire Upton Marina for equivalent to £54p.

At the balfway stage profits

At the balfway stage profits associate company, Sterilio, which makes lehoratory goods. Sterilin has net assets of £1.87m, and made a pre-tax profit last year of £941,000.

Sterilin's pre-tax profits to April 30, 1980, will be made within two weeks of certification

It has set up e new division.

of consideration due from British Rototherm. The remain-

the acquisition will not be sig-nificant in relation to the profits of the Benn group for the current year, it is stated. RIT KEEPS HUME OFFER OPEN Rothschild Investment Trust

BENN BROS.

FARM HOLIDAY

FAMILY HOLADAY

Benn Brothers has ecquired

Farm Holiday Guides for

£184,500 in cash, Farm Holiday,

based in Paisley, Scotland, pub
lishes a series of guide books

for family bulidays in Britain.

Net tangible assets as at

December 31, 1978, were £19,500,

and net profit before tay for

and net profit, before tax, for the year ended on that dete was

The net profit attributable to

ACQUIRES

which has been bidding for Hume Holdings through its Orient and General Investments subsidiary, has decided to keep its offer open indefinitely because of the high level of acceptance.

### Grimshawe Hldgs. in agreed bid for Cindy

Grimshawe Holdings has food wholesaling arm of Inter-launched an agreed bid for national Strees, has cost a total Cindy, Liverpool-based textile of £10m in cash. and polyurethane foam company. Cindy bas 80 per cent of the UK market for foam paint rollers, and Grimshawe argues that this will dovetail into its own growing DIV interests.
To finance the deal, Grimshawe will issue 777,538 new 20p

ordinary shares. The directors of Cindy will retain 113,000 shares. Carr, Sebag has placed the remainder with institutional investors. Grimshawe shares closed last night up 5p at 65p, valuing the bid at around 2500,000.

Cindy, a private company, has et tangible assets of some 361,292. Last year pre-tax profiits were £89,000. The acquisition is conditional on approval by Grimshawe shareholders at an extraordinary general meeting set for January

Grimshawe also announces a forecast dividend of 3p for the year to April 30, 1980, against

BOOKER McCONNELL Booker McConnell's acquision of Kearley and Tonge, the

Last year Kearley made losses September. In addition, Booker is taking on responsibility for the £6m of borrowings shown in Kearley's accounts to the end of

#### WATSON & PHILIP ACQUISITIONS

Watson and Philip has acquired James Mutch Foods, a wholly-owned subsidiary of Food Hold, for some £120,000 cash, subject in contract. This repre-sents around £80,000 of net assets of James Mutch, tha balance being goodwill. In addition, Heritable Property

against subject to contract NO PROBE

The proposed mergers of Seagram Company with Gao. G. Sandeman, and Allied Soppliers with Caters Supermarkets are not to be referred to the Monopolies Commission.

MINING NEWS

### Brascan seeks greater control of Noranda

BY KENNETH MARSTON, MINING EDITOR

known and feared for its take-over expertise over expertise and financial strength, appears to be determined to seek greater control over the Noranda Mines basemetal major, reports John Soganich from Toronto. This view stems from the action by Noranda's directors in

Brascan early in 1979 by a group formed and financed two-thirds

by the Edper/Bronfman interests

it's the practice of our board to fill a vacancy by inviting someone whom we feel can contribute significantly to the company's policy and decision making. At the moment no vacancy exists, nor do we feel that acceeding to this demand for representation

The total number of shares for which the irrevocable underrejecting the demand by Brascan for two seats on the former's board and one place on takings have been given amount to 58 per cent of the capital of former's board and one place on the management committee.

Brascan, which acquired a 16 per cent-plus equity in Noranda late in 1979, saw its position decline to 14 per cent as the Noranda management took defensive measures. They resulted in five subsidiary and associated companies pooling their existing Naranda holdings and buying additional shares through Zinor Holdings which entity ended up with 23.6 per cent of the outstanding Noranda shares.

Noranda is headed by Mr. Alfred Powis, while Brascan is headed by Mr. J. Trevor Eyton who spearheaded the takeover of Brascan early in 1979 by a group West as increased by the conversion of loan stock. Britannia Arrow has been building up a stake in West and now bolds just under 9 per cent of the equity.

Tyndall manages funds of about 2200m for some 80,000 unit The offer is worth the equivalent of 90p per share. In arriving at the terms, Globe has The terms are £9 of 11½ per taken into eccount that West has cent convertible unsecured loan more than £2.5m in marketable securities and deposits for longterm investment.

etock 1990-95 nf Globe for every 10 ordinary shares of 25p each nf West. West's shares were suspended yesterday at 76p pend-Upon the offer becoming un-conditional, e wholly-owned sub-sidiary of Globe will be formed. The directors will be Mr. G. J. The bid includes the share capital arising during the offer The directors will be Mr. G. J.
Ellerton (chairman), who is
chairman of Electra Group Services; Mr. C. H. Black and Mr.
Stoddart, directors of Globe; and
Mr. H. G. Leighton and Mr. B. R.
Peoneralt, directors of West.
The offer is subject to the
approval of Globe shareholders
at an extraordinary general meetperiod on conversion of the £1.5m 10 per-cent convertible unsecured loan stock 1990 of There has been a historic association between the two houses for some time. Electra bas e 27

at an extraordinary general meet

SEAGRAM'S HAS 90% OF SANDEMAN

Acceptances of the offers by House of Seagram, wholly-owned subsidiary of Seagram Company, Mr. Michael Stoddard, a direc-ing of Globe, described the take-over as a "meeting of minds with the common objective of developing other areas of money to ecquire the whole of the sbare capital of Geo. G. Sandeman Sons and Co., have been received in respect of 10.26m new ordinary shares, and the sama number of deferred shares, Mr. Harbottle said the two-houses were "complementary investment organisations which representing 90.7 per cent of the issued share capital. The offers would provide a bigger base for have been made unconditional Another wholly-owned subsidiary of Seagram has assented its holding of 700,000 shares to the offers and these shares are Irrevocable undertakings to accept the offer have been given for 6.29m ordinary shares of West owned by the directors of included in the overall level of

payable hy instalments over the period to March 31, 1981. Sharebolders also passed the resolution approving the sale of certain assets of the company's wholly owned subsidiary, Williamson Manufacturing Company, to a director and former

outstanding share capital on an increase in Negretti and January 1, 1984, unless Sterilin Zambra's horrowing powers were first went public.

Bihhy chairman Mr. Leslie says two factors lla behind the decision to make an earlier move. Firstly, Bibby's share price has risen sufficiently since the ending of dividend restraint to make equity financing attractive to both parties. Secondly, the Sterilin board, which controls all the outstanding shares, now prefers the security of joining Bihhy to the vicissltudes of the next four

years.
There will be two tranches of payment. The first, on completion of formalities, comprises im Bibby shares and £1.835m unsecured 10 per cent loan notes 1985. The second payment, according to e formula based on

of the accounts Bibby is seeking to acquire more small companies in the medical supplies field, for which

AND ZAMBRA

At an EGM of Negretti and Zambra held on January 2 the resolution to approve the sale of certain assets releting to its industrial division to the British Rototherm Company was passed by shareholders.

Completion of the sale took place yesterday and Negretti has received the first £550,000

acceptance. RIT now has 96.2 per cent of the "A" shares and 82.05 per cent of the "B." In addition it has 98 per cent of the convertible

RACAL/ADWEST Racal Electronics has further increased its stake in Adwest, with its holding amounting to 17.05 per cent et January 2.

of £2.2m before interest charges for the 12 months to the end of

bas heen purchased from Food Hold for some £65,000 cash

## BOARD MEETINGS

The following companies have notified dates of board meetings to the Stock Exchange. Such meetings are osually held for the purpose of considering dividends. Official indications are not available as to whether dividends are interime or finals and the sub-divisional shown below are based mainly on last year's simutable.

TODAY

Interiors: Peter Stack. Contraway.

pology investment Trust.
Finals:—lowstors Capital Trust.
Winterbottom Trust.
FUTURE DATES

Accommenced Renk of Australia Feb. 28
Henderson-Kenton Jan. 15
R.F.D. Jan. 18 R.F.D. Jen. 14

Restract
Thorn Electrical Jan. 11

Finals:
Afficial Textile Jen. 30

Googh Cooper Jen. 15

Imperies Chemical Industries Feb. 28

Ley's Foundries & Enghaering Jen. 11

Affactitt Jen. 28

by the Edper/Brontman merests
md one third by the Patino
group. Edper Equities has just
under 50 per cent of Brascan.
In turning dawn "e number of
demands" by Brascan, Mr. Powis
said: "As with most corporations,
it's the practice of our board to
fill a vacancy by inviting same-Mr. Powis added: "There is a very real concern about the pride and morale of middle and junior management if Noranda is perceived to be dominated hy Brascan. There could very well be a serious loss of dedication and effectiveness. As well, there could be an erosion in Noranda's long-standing relationships with customers, suppliers, joint-venture partners, investors, bankers and Government regula-tors which would have e detri-

tors which would have a detri-mental effect on Noranda's ability to perform effectively." He continued: "Brascan, which was taken over by Edper Equities last spring, holds 14 per-cent of Noranda's outstanding shares. It also demanded that Noranda dismantia Zinor Hold. would improve the performance or interests of the company." Brascan's Mr. Eyton said he was "disappointed and astounded" at the decision. He added that Brascan will "first sit and think and then we will be talking with other shareholders of Noranda and try to enlist their support "in an effort in dismantle the transactions which resulted in Zinor.

Legal action is not discounted: The stakes are high. Brascan spent almost C\$300m (£115m) to acquire its Noranda shares, while the Zinor participants spent C\$266m just to buy 14m shares of Noranda and then pooled another 10m shares into Zinor. added that Brascan will "first Noranda dismantle Zinor Hold-ings, a company which owns 23.6 per cent of Noranda's shares." Mr. Powis observed that Zinor was owned by five other public companies; not Noranda, and accordingly its affairs were not governed by Noranda or its

In outputs TIN CONCENTRATE production at the Malaysian-operating Mr. Powis said that the Gopeng eased further in December after the high levels obtained in August, Septemher and Octo-ber. However, tha total for the first three months of the current financial year to September 30 Noranda board, which is comprised of nine outside directors and three senior officers of the company, gave exhaustive con-sideration to Brascan's package

of demands. Brascan, ba added, had a stated objective of being the largest shareholder shows up well at 517 tonnes against 4921 tonnes a year ago. a year ago. exercising an effective voice in Pengkalen's three-month out-Noranda's affairs. His Board concluded that it would be put amounts to 48 tonnes against only 231 tonnes in the same period of 1978. Tanjong has against the best interests of the completed a good financial year with a total of 2261 tonnes company that there be any predominant influence in the against 1901 tonnes while Idris direction of the affairs of the

says. Shortly before the ending of exchange controls the com-

pany reversed lts \$8m currency

swap and reinstated it on identical terms, enabling tha

realisation of the dollar premium on a further \$8m of U.S. invest-ments which would otherwise

Rantlodge, a private leisura aronp believed to have Swiss backing, is making an unconditional cash hid for Nationwide Leisure, the caravan business. However, the offer is a foregone conclusion as Rantlodge already

conclusion as Rantlodge already owns 50.02 per cent of Netion-

Control has come from the purchase in early December of the stake beld hy Mr. John Hutchings and his family and private interests which added to Ranflodge's existing 20 per cent holding.

successfully defended Nation-wide against two other predators

bolding. Mr. Hutchings, who

heve heen lost.

Meeting. Edinburgh,
January 31 at 11 am.

RANTLODGE/

NATIONWIDE

has produced a 1979 total of 267; tonnes against 214; tonnes for

The latest monthly production figures are compared below.

### Benguet's new mine opens

THE MAJOR gold producer in the Philippines, Berguet Con-solidated, has announced the start-up of a new copper gold mine which is to produce 60m lb of copper, 106,000 ounces of gold and 220,000 ounces of silver a

Benguet's president, Mr. Jaime V. Ongpin, said the project, which cost \$100m (\$47.4m) and which cost shown the includes a copper concentrator with a daily capacity of 17,000 tomes, was the corporation's biggest venture in 76 years and will be its single biggest source

Based on current metal prices. a Benguet official said that the new mine, located in Zambales province, north-west of Manila.
will give Benguet additional
gross earnings of \$125m a year.
Until the start of the Zambales project. Benguet's single biggest source of earnings during the past five years was e subsidiary construction company with extensive contracts in the Middle East.

### Searching for gold in Fiji AN AMERICAN oil exploration

company, Pacific Energy and Minerals of Golden, Colorado, has begun prospecting for gold as well as oil in Fiji.

The company is exploring inland areas of the main island

of Viti Levu in a region behind the long-established Vatukoula gold mine. In the name of Aurelia Resources, the company has applied for licences to prospect for precious metals in south-eastern areas of the island, where gold traces have been recorded, according to the Fiji Mineral Resources Department. The Department said a number

of other foreign companies had applied for or were seeking gold prospecting licences. They in-cluded Consolidated Gold Fields Australia, which plans to explore the islands of Kadavu and One. 50 miles south of Suva where gold has also been reported. On Vanua Levu, the second biggest island of Fiji, the Anglo American Corporation Group has completed a year of drilling at the Mount Kasi gold mine site where mining started just before World War Two but subsequently closed owing to the hostilities,

### **Scottish Investment Trust**

DESPITE THE reduction and disappearance of the dollar premium during 1978-79, net asset value of Scottisk Investment Trust Company so the previous improvement over the previous year. This was largely achieved by the company's UK and U.S. investments outperforming their respective markets, says Mr. Angus Grossart, chairman, in his annual statement.

As reported on November 23 net asset value totalled 128.2p (128.1p) for the year to Octo-ber 31, 1999. Pre-tax revenue advanced from £4.62m to £5.84m. The chairman says that, in the UK, the company reduced its investment in manufacturing industry during the year, while increasing investments in the home improvement, entertainmeet and catering sectors.

The directors have been

ettracted to smaller and mediumsized companies which seem to have the ebility to increase their earnings and dividends in diffi-cult economic conditions, he In the U.S., the company has

concentrated on the types of stocks less readily available in the UK market, particularly energy and technology. At the year-end, about 37 per cent and 14 per cent respectively of the U.S. portfolio were in these two sectors, compared with 25 per cent and 9 per cent at the beginning of the year.

The percentage of funds invested in Japan was reduced from 6.5 per cent to 3.5 per cent. mostly as a result of currency and premium movements, the chairman says.

At balance date, investments at valuation were up from £112.9m to £117.3m, of which £75.1m (£65.1m) were quoted in Great Britain and £39m (£43.6m)

During the year oversess borrowings were increased from \$17.7m to \$28.2m, the chairman

**ERMITAGE EXTERNAL** FUND 20th December 1979

Bid U.S.\$135,84 Offer U.S.\$137.08

King & Shaxson Git-Edged Portfolio Manager Service Index 7.1.80

Offer 76.75 Bld 76.43 Offer 130.44 Bld 129.67 Portfolio II Capital

Labour Pump is a wholly-owned subsidiary of Katy Indus-tries, of Illinois, U.S., which owns 50 per cent of Elgin Diamond Products (Europe), the remaining 50 per cent heing owned by Diamond Stylus.

The bolding was formerly held by Mr. E. S. Coathup.

NATL. PLASTICS/ WICANDERS

National Plastics, a division of Courtaulds, has purchased the injection moulding interests of Wicanders. (U.K.), the Crawley-based cork manufacturers.

The purchase involves-injection moulding and manufacturers. tion moulding and printing machines used in the manufacture of thin walled containers for the dairy industry.

LOW AND BONAR AUSTRALIAN DEAL The Low and Bonar Group has completed the take-over of Stanger and Co., Melbourne, following approval by the Australian Foreign Investment Review

•	in recent years, sold his stake for 6p per share and this is the			
	price being offered to the remain-	SPAIN		
	The price values he minority et £650,000.  Rantlodge says that it wants to	January 4 Banco Airbao	Price % - 208	+ or
	Expand Nationwide's business.	Banco Exterior	230 220	£ .
:	Club 18/30, into D. M. Lancaster	Banco Ind. Cat. Banco Madrid Banco Santandar	137 175	
	a textile company in which Rant- lodge should end up with 59 per	Banco Vizcava	250 187 218	-3
•	cent. The two leisure interests are regarded as being compatible within Rantiodge.	Dragados Espanola Zinc	205 100 60	
		Gal. Preciados	53.2	+1.8
	DIAMOND STYLUS Labour Pump Company, has	Hidrole Iberdoero Patroleos	59 57.5 112	-0.7 -0.5
•	of Diamond Styles, representing	Sogefles	73	٠.
	29.62 per cent of the equity.	Telefonica Union Elect	54.5 58.2	+0.5

M. J. H. Nightingale & Go. Limited 27/28 Lovat Lane London EC3R 8EB Telephone: 01-638 8651 Company Price Change Div (p) % Airsprung Ord.
Armitugs & Rhodes
Berden Hill
Deborah Ord.
Oeborah 17-2 CULS.
Frank Horsell
Frederick Parker 221 7.8 12.8 16.5 8.2 7.2 31.3 14.3 0.8 12.0 2.6 4.4 11.5 George Blair ..., Jacksoo Group demes Burrough
Robert Jenkins
Tordey Limited
Twinlock Ord.
Twinlock 12% ULS
Unilock Holdings

nches and agencies: London, New York, Los Angeles, Frankfurt, Singapor resentative offices: Cydney, Sao Paolo, Hong Kong, Houston, Paris, Pana addary: Dalwa Bank Trust Company, New York. Affiliates: P.T. Bank Perdania, Jakarta: International Credit Alliance, Ltd., Hong Kong. Domestic branches: 157

### **NEW LIFE BUSINESS**

### Commercial Union life premiums advance by £41m

WORLDWIDE NET new annual good year for individual pension single premiums were up 30 per premiums of \$41.2m in 1979 arrangements.

The CU reports a large general manager points out that reported by the Commercial increase in term assurance busints and target for 1979 had Unlop Assurance Company, with ness providing death cover only, been to increase life business, single premiums of \$28.7m a market in which it offers comince the pensions side was petative rates.

But allowing for the effect of exchange rate anovements and the sale of the majority share-holding in Commercial Union Assurance Company of South Africa, the underlying increase was 7 per cent in new annual premiums and 16 per cent in single premiums. New sums assured spacetal to £2.54bn and new samulties per annum to £74.1m

In the UK new annual pre-miums improved by 6 per cent from £17.2m to £18.2m and single premiums by 15 er cent from
Egym to E5-4m. New sums
assured amounted to £1.36bn
bompared with £1.17bn, while new annuities were £20.8m compared with £22.5m.

new annuities were £20.8m compared with £22.5m.

The CU achieved a steady rise land, a member of the Nationale widness with new successful year in 1979 for both life and pensions business. New annual premiums rising by 12 life and pensions business. New annual premiums in the UK and City of Glasgow Friendly Society the Republic of Ireland increased amounted to about 14,000 in higher on the year, while straight by 13 per cent, from £5.1m to with profits. Savings contracts also showed an improvement.

The Elfa Association of Scotland, a member of the Nationale GLASGOW

FRIENDLY

New policies issued by the annual premiums in the UK and City of Glasgow Friendly Society amounted to about 14,000 in 1979 compared with 17,000 the with profits. Savings contracts also showed an improvement.

The Lifa Association of Scotland, a member of the Nationale GLASGOW

FRIENDLY

New policies issued by the amounted to about 14,000 in 1979 compared with 17,000 the with profits. Savings contracts also showed an improvement.

The self-employed pensions to the life were marginally higher at £4m sums totalling £13.1m, against £11.8m, at annual premiums of £0.56m compared with £0.53m.

In the UK and PRIENDLY

New policies issued by the 1979 cor of City of Glasgow Friendly Society amounted to about 14,000 in 1979 compared with 17,000 the with profits. Savings contracts assumed to about 14,000 in 1979 compared with 17,000 the with profits. Savings contracts assumed to about 14,000 in 1979 compared with 17,000 the with profits. Savings contracts assumed to about 14,000 in 1979 compared with 150.50m.

The Lifa Association of Scoth

petative rates. New group pension annual part of the rise in UK single premium business the rest mortgage market, coming from an increase in Self. employed

In Holland, the main overseas territory for life business, better results were achieved for individual business than for

single premium self-employed

#### LIFE ASSOCIATION OF SCOTLAND

since the pensions side was expected to fall following the success in the previous year. In the event, new life assur-

by 4 per rent from £6.9m to ances in the event, new life assurby 4 per rent from £6.9m to accept to £1.25m (£1.04m), 2 large increases under existing part of the increase coming from schemes. The augmentation of mortgage related business, group pensions accounted for backed by the company's entry backed by the company's entry last year into the top-up

Self - employed pensions business was virtually unchanged for annual premium business, but there was a 55 per cent growth in single premiums. New pensions premiums were slightly higher, largely due to increments from existing schemes and to a hnovant market from individual pension arrangements. New annuity business increased five-

### GRE shows growth in 1979

single premiums last year business annual premiums advanced by 35 per cent from advancing by over 20 per cent. fil-7m to fil-8m. New sums and single premiums by over 15. assured amounted to fil-87bm per cent. But, in common with against fil-2bm, and new annuimons life companies, there was compared with fill improvement of the companies. There was compared with fill improvement and file companies.

In the UK, new annual pre- Ordinary, life business improved by 26 per cent, the its £25.5m (£21m), and single pre- increase coming ecross the its £25.5m (£21m), and single preincrease coming ecross the
increase coming ecross the
board, including straight with
as £15.4m (£11.3m). Geoff Nunn,
as £15

a s tealor F

rees, the con-: Licenses By

us meials ha

ient saidang

EL COLUMN

Pences 5

idated Gold B

1275 19 22

beez reported

Levu, the si of Fiff, the i possition (and

n ten in

Coathar.

PLASTICE DERS

the Bland

against 2700,000. To \$2.6m SCOTTISH

### LONDON LIFE

A 17 per cent rise in worldwide to £4.04m, while considerations while single premioms advanced new annual premiums, from for immediate annuaties fivefold from £3m to £14.5m. £30.1m to £35.1m in 1979, improved from £1.95m to £2.10m. Although most of the single pre-£30.1m to £35.1m in 1979, improved from £1.95m to £2.10m. Although most of the single pre-is reported by the Guardian Pension business last year mium growth arose from trans-Royal Exchange Assurance. New remained buoyant, with group fers of pensions schemes from

#### AMICABLE

The Scottish Amicable Life doubled from £9.6m to £20.6m.

The Scottish Amicable Life doubled from £9.6m to £20.6m.

The Scottish Amicable Life doubled from £9.6m to £20.6m.

In Australia, new annual preminual preminual preminus rose by a third to £1.2m

£5.13m to £6.59m, is reported by managed fund subsidiary (£900,000).

The London Life association, SCAMPL which offers investman of the few life companies ment management services to

what does not pay commission to pension schemes on an exempt

The performance of staff for new multiple and hasts.

intermediarles of staff for new unitised fund basis.

business.

New annual premiums to this Single premiums advanced by fund more than doubled last almost 40 per cent, from £2.89m, year from £5.9m to £13.9m,

SERGE FRADKOFF

HARRY WINSTON S.A.

OF NEW YORK

.Wishes to inform his friends and clients that, at his own

initiative be has made on October 3, 1979.

the irrevoceble decision to cease his activities in the compeny and this as of December 19, 1379

Managing Director of

the main fund, much of the annual premium improvement came from funds not previously

On the life and pensions business of the company, sales of self-employed pensions contracts: were down last year. annual premiums declining by e quarter, and executive pension arrangements remeined et the high level of the previous year,

However, business connected with mortgage repayment rose by 21 per cent, boosted by the company's involvement in the ton up mortgage market. Sales of the flexible endowment flexidowment were 9 per cent higher, with the new 25-year version being welcomed by the

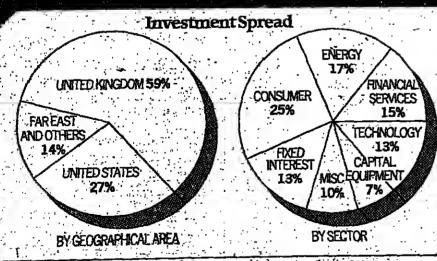
Overall, new annual premiums from all sources improved in 1979 by 2 per cent from £14.7m to £15m and single premiums

Mn. M. L. Page, a partner in Peat, Marwick, Mitchell, has been appointed Receiver and Maringer of Secret and Co. of Great Yormouth, wholesale to accounts and confectioner. Mr. Page sald Sacret was con-tinuing to trace and he was currently looking for e purchaser.

### DE LA RUE

De La Rue Crossielo—a divi-siou of the De La Rue Co.—has changed its name to De La Rue Systems The structure manage pany remain the same.

### THE SCOTTISH INVEST TRUST COMPANY LIMIT



31 October 1979 31 October 1978 £1164m £121.5m ASSETS EMPLOYED NET ASSETS per unit £5.3m +26% £6.7m GROSSINCOME +30% 3.90p DIVIDEND per unit

Dividend growth since merger (1976-1979)

Scottish Investment Trust: Dividend Growth Growth of UK corporate dividends Grawit of investment trust dividencis Increase in retail price index

More information about the company and its policy can be found in the Annual Report which is available from the company by mailing the coupon below.

> To: The Secretary, The Scottish Investment Trust, Co. Ltd., 6 Albyn Place, Edinburgh, EH2 4NL Please send me a copy of the Annual Report

### Record figures from A. G. Barr

A. G. Barr and Company report a record £34.77m turnover for the year ended October 27, 1979. This represents an increase of 15.9 per cent over the previous year. Pre-tax profit increased from £2.01m to £2.52m which is £374,000 above the previous best achieved in 1975/76. Tax charged

was £1.12m against £932,000. Following the change in legis-lation relating to alloweble dividend increases, a total dividend of 4.25p per 25p share is proposed which represents an increase of almost 77 per cent over the previous year's total of 2.4052p. Stated earnings per share are given as 22.32p In expressing overall satisfaction with the results, Mr. Robin Barr, chairman and managing director, says the group condirector, says the group con-tinued to find margins in the non-returnable trade lower than required for the successful development of that sector on a

long-term basis. Referring to container price increases, the chairman com-national network of manufac-ments that escalating costs of turing, sales and distribution both bottles and cans are depots.

SOFT DRINKS manufacturer hampering efforts to achieve better margins, especially on non-returnable business. The returnable bottle position bas been helped by a substantial bottle deposit increase in Scot-

> On future prospects Mr. Barr says that turnover currently is ahead of the corresponding period last year, but costs continue to rise and in some cases at a faster rate than the company's money turnover.

The supply of cans is satisfactory at the moment but obviously dependent eventually upon settlement of the steel A new location is to be established in Edinbursh

established in Edinburgh following the fire which destroyed the old premises and in the current financial year £1.25m is to be spent on land and buildings in addition to a total of £1.75m on plant and vehicles. The Barr group, brand leaders of which are Iru-Bru and Tizer, has headquarters in Glasgow, major regional locations in Manchester and London, and a

### Recovery in textile shares likely says stockbroker

The report by Mr. David Buck, the firm's textile analyst, concludes that as a result of adverse trading conditions in 1979 textile shares are currently at a 40 per cent discount to the average level for industrial shares generally. This compares with an bistoric discount of around 20 per ceot because of the variebility of the sector.

Mr. Buck suggests that the 27 per cent fall in the textile sector's price relative, which took place in 1979, will begin to be corrected in the light of company results in the first half of this results in the first half of this year which may show profit falls less than the market is

Though the outlook for trading will still not be encouraging, earnings and dividends in textiles in 1980, are expected to move much more in line with the average for industry as a whole, following the wide disparity which opened up in 1979. Prospects beyond that for the

too far and could be in for a with some of the factors depress-period of upward correction, ing the textile industry's claims Laing and Cruickshank, performance in 1979 no longer

broker, in a report on the sector. so important.

The report by Mr. David Buck. "The removal of exchange controls has limited the possibility of significant upward pressure on sterling, the report states, and while high interest rates and political upheaval in dramatic decline in sterling, particularly egainst other EEC countries." The level forecast is U.S.\$2.00-\$2.10 by March and

\$1.90-\$2.00 by September.
The report also sees a decline in interest rates and argues that because of poor trading condi-tions textile producers have had to rationalise and become more efficient in advance of many other sectors of industry. And, after 1981, oil prices in the U.S. will heve moved up to world

recommend Dawson Inter-national and Nottingham Manu—a rise of 5 per cent in value facturing as buys, the former

TEXTILE SHARES have fallen sector look more encouraging, because of its strong position in cause of its strong links with Marks and Spencer. Courtaulds cause of the profitability of its rayon business and potential benefits from e strengthening of

the dollar against sterling. Tootal with its international textile iovolvement is also re-Iran contribute to temporary commended as a longer-term upward pressures, "we believe recovery prospects, but doubt is there will be e gradual but nnexpressed over the growth prospects of both Coets, Paton,

and Carrington Vivella.

Brutaub's wool textile export earnings recovered in October to more than £36m, and the industry is now likely to have ended the year with overseas sales again of more than £400m. Exports in the first 10 months of last year were worth £341.8m. an increase of £4.8m on the same period previously, though volume sales of both cloth and tops (combed wool) were down. levels, reducing competitive pressure from that source.

Of the six major UK textile exports ere now wool for by raw wool.

groups Laing and Cruickshank In the first 10 months of last

### C.IVI.T.

## Results demonstrate our ability to increase sales, despite adverse conditions'

reports Tony Hickman, the Chairman

- Sales of £74.57 million in the year to 31 July 1979 were an all-time record and trading profits, at £4.68 million before interest charges, were our highest ever.
- An interim dividend of 1.65p per share was paid to shareholders on 4 July 1979 and the directors recommend a final dividend of 1.65p per share payable on 4 February 1980, making a total for the year of 3.3p.
- The Industrial Services division achieved a record turnover this year. The Light Engineering, Metal Processing and Steel Stockholding divisions all increased their sales, but the Tubes, Fittings and Forgings division was unable to match last year's figures due to slackening of demand.
- In order to maintain and expand our competitive position, it is vital for us to carry adequate stocks to respond quickly to customer's needs. Inflation increases the cost of these stocks and locks up larger amounts of working capital, resulting in a considerably increased financing charge for the year and causing a reduced profit after taxation and interest charges.
- G. R. Francis Group Limited, which distributes and retails kitchen, bathroom and heating equipment, was acquired in March and contributed a profit of \$51,000 on a turnover of £1.77 million in the period from April to the year end.
- In June, Hanson Trust Limited acquired 13.3% of the shares in the CMT Group as a long term investment. At the time of the acquisition, the founder, Mr. Norman Hickman retired and the board was restructured.
- The current year has started on a gloomy note, with trading conditions remaining depressed, inflation creeping upwards once again, interest rates at a very high level, whilst having been further aggravated by the national engineers' dispute. However, sales have shown a marked improvement over the corresponding period of last year and we are well placed to maximise on opportunities as they occur, following certain rationalisations within the Group and with the advantage of an extensive and constantly improved range of products.

The year in brief	1979	1978
Sales to customers	£74.571m	£60.094m
Group trading profit	£4.681m	£4.372m
Cost of dividend	£0.873m	£0.680m
Profit retained	£1.803m	£2.960m
Shareholders' funds	\$29.944m	\$24.632m
Ordinary dividends -actual per	share 3.3p	3.0p

Divisional analysis of results - £000

	Turnover 1979	Trading profit 1979	Turnover 1978	Trading profit 1978
Industrial services	28,720	2,274	23,592	2,112
Light engineering	5,307	72	4,895	351
Metal processing	12,970	454	8,632	149
Steel stockholding Tubes, fittings and	22,898	1,166	17,959	947
forgings	4,676	715	5,016	813
	74,571	4,681	60,094	4,372

The above text is an extract from the Annual Report for the year to 31 July 1979. Copies of the full Report and Accounts are available from the Secretary, The CMT Group, 303 Halesowen Road, Dudley, West Midlands DY2 9NR.

### **Industrial Services**

The division once again had a record year, with an improved share of the market and a much higher turnover. All product divisions showed considerable growth, apart from Industrial Rubber and Plastics which suffered a reduction in demand. The G. R. Francis Group, which we acquired last March, made a significant contribution and the Protective Clothing division recorded a tremendous growth in sales, assisted by the severe winter.

### **Light Engineering**

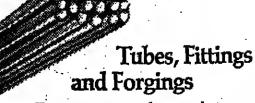
Despite increased sales from the division, profits from each constituent company were lower than last year's due to the extremely poor winter, the national haulage strike, many industrial disputes in our customers' factories, reduction in demand and increased competition from foreign imports. Rationalisation plans have been embarked upon which should show improved results in the current

### **Metal Processing**

Demand for our products continued to be strong throughout the year, with profitability continuing to improve, especially in the second half. An addition to the fragmentation plant. has been ordered, which will improve our ability to segregate non-ferrous scrap and the large shear has resulted in a greater flow of improved products.

### Steel Stockholding

The division showed an increase in turnover and profitability over last year's results. We feel that our substantial investment in the stockholding sector, with its emphasis on the processing of steel to customers' requirements, has helped to shield us from a poor market. Demand has now strengthened following the engineers' dispute and we are well placed to increase our market share.



Turnover was up on last year, but pressure on margins reduced profitability. During the last two years, the range of ancillary equipment and stocks has been increased considerably and the current year has commenced with a stronger order book than for some time.

The Central Manufacturing & Trading Group Limited

### Keeping in the picture

of the best known Japanese 1977-78 boom in the U.S. camera camera, and the accompanying graphic products, Kodek has companies have been spending market petered out (Ms. Brenda layoffs which the company also been squeezed by rising millions of dollars trying to Lee Landry of stockhrokers announced just before the change the way America pictures itself and scoring a considerable success.

During this three year pariod

Lee Landry of Stockhrokers announced Just Denote the costs announced summer, Polarold has had to summer, Polarold has had to these on in higher prices that unit shipments fell by admit that its instant movie these on in higher prices camera has been a flop. In the around \$00,000 to just under camera has been a flop. In the growth of the Government third quarter, it had to write price control programme. The

During this three year pariod sales of foreign (overwhelmingly Japanese) manufactured 85mm cameras in the U.S. have soared from just over 1m in 1976 to almost 3m last year, according to estimates.

typical photo-For years the amateur grapher had been reluctant to grapple with the complexities of 35mm photography, clinging steadfastly to the push-hutton simplicity of cameras such as the cheaper Kodak pocket models. If it was high technology he craved theo that, too, came in a deceptively simple form — initially the Polaroid "instant" camera hut, since 1976, Kodak's rival instant product as well.

The opportunity for the Jananese importers came in the mid 1970s when breakthroughs in electronic technology opened the way for the complex 35mm camera to he redesigned into an automated package requiring the photographer to do little more than focus and shoot. At the same time, as Mr. Ty Govotos of New York stockhrokers Bache points out, rising disposable income allowed the growth of consumer expenditure on the more expensive 35mm product.

Presented with the chance to purchase the quality of the 35mm camera together with simplicity, American consumers, urged on hy a harrage of advertising featuring top sports atars such as John Newcombe and Bruce Jenner, have heen on a huying spree. As a result, new 35mm automatic cameras produced hy companies such as U.S. market leader Canon, Minolto and tatterly Nikon, have grahhed close to a 15 per cent share of the 20m units a year U.S. camera market.

In value terms, their market share is much higher, however, perhans nearer 40 per cent now, since the average price of the automatic 35mm camera is much higher than that of the cameras aimed at the amateur market, especially when lenses are included.

Last year, moreover, as the staple product, the instant weakening of demand for photoincreased by around 400,000. off \$65m on this project, and the U.S. market by the foreign-quarter. Some analysts are promade 35 mm cameras has come jecting that its earnings for an estimated 50m oz a year),



One of the Japanese threats

Eastman Kodak and Polaroid.

Ms. Landry estimates that what had hern the most rapidly growing product the U.S. com-panies offered, the "instant" camera invented by Polaroid and imitated in 1976 by Kodok, was the industry'a main trouble spot, with unit sales olipping hetweeo 15-20 per cent to just over 7m.

For Polaroid, the market leader, the challenge is a particularly serious one. The company was once one of Wall Street's most elamorous stocks. Indeed in 1972 its shares were selling at one time for \$150 ahility another year will have each, and its price earnings passed without Kodak earning multiple hit 98.

which has been filled with hod estimated market share of determined, and better news from the company. Apart around one third from Polarold, organised, to capitalise on its from the slowing demand for its

at a particularly awkward time 1979 will he halved at around for the hig U.S. manufacturers, \$60m compared with \$118.4m Eastman Kodak and Polaroid. on sales of \$1,4bn in 1978. With the consumer expected to he squeezed as the economy weakens next year, the outlook for the company is uncertain. photogram Analysts point out, however, financial, that the company is making strength. determined efforts to come to terms with its problems hy, for example, cutting hack its work-force and profits at least are expected to recover next year.

> The immediate pro:pects for has meant that in all probprofit from its entry into this

costs and—until the fourth quarter—the inability to pass fivefold surge in silver prices (Kodak is one of the heaviest industrial users consuming has also been eating into its

profit margins. The weakness in its share price last week took the stock to its lowest level since 1978, around \$44 at one point. This has been in part a reflection of silver's price rise and the expectation that the company will report a decline in fourth

quarter carnings.
But many analysts including
Ms Lee and Mr. Goyatos argue that in the longer term Kodak haa great strengths. Unlike Polaroid it is a giant corporation with a hroad range of products. In 1978 its sales revennes hit \$7bn and its net profit \$902m. Earnings in 1979 could he slightly better in spite of expected weakness in the final

A switch to the profits margin test under the current Administration's price policy is also now permitting Kodak to recover more fully cost increases. It recently announced higher prices for several products including a 40 per cent rise in the price of X-ray film, an important product line.

More important for the longer term however, is the company's diversity-it is hy no means dependent on the amateor photographic market—and its financial, technical and market

While its camera business must suffer from the competition from the Japanese 35mm imports, its much more profitable husiness as a supplier of film (in which it has a virtual its much larger rival, Kodak, monopoly) benefits. It also supare also poor. The weakening plies hospitals and the Governof the instant camera merket ment, and has o major chemicals operation with annual sales of

Perhaps most important, some analysts sense that Kodak has lo recent weeks, the shares husiness, although it was the cast off the complacency they have heen languishing at consolation of knowing that in saw in the company a few years around \$28 at the end of 0 year three years it has grahhed an ogo and has become much more

### C\$240m bid for MacLaren

By Robert Gibbens in Montreat

NORANDA MINES, the mining and industrial group which also has a big stake in the Canadian pulp and paper industry, is bidding C\$40 each per share of MacLaren Power and Paper Company, an oldestablished newsprint prodneer in Western Quebec, near the Ontario border.

There are 6.1m A and B MacLaren shares outstanding, putting the value of the hid at over C\$240m (US\$205m), assuming all the stocks were tendered. Noranda says it is seeking a minimum of 51 per cent of the MacLaren stock. and says the management group, accounting for about 27 per cent of the outstanding shares. accepted the hid.

However, there are also other major holdings held by members of the MacLaren family and also the Webster interests of F.P. Publications of Toronto.

Noranda offers the alternative of eleven of its own shares for every six of Mac-Laren. No change in management would be made if the bid succeeds as most observers think it will.

MacLaren is a mediumsized pulp and paper com-pany which has weathered the last three industry cycles very successfully. The stock C\$23 to C\$24 a share in the

Despite its heavy stake in cyclical industries such as forest products and copper, lead and zine mining and refining, Noranda has large interests in manufacturing wire and cable and has the major holding in Canadian Hunter, finder of the deep basin natural gas field on the northern Alberta - British northern Albe

This area is now being developed by Hnnter and others Imperial Oil (Exxon) has farmed into the Hunter acreage committing more than C\$100m to development.

Noranda is also a leader in fibre optics research in Canada and also research into hydrogen.

Its associates include three olg mining companies Placer Development and Kerr Addi-son, Brenda Mines and Brunsvick Mining and also Fraser Ioc, the New Brunswick pulp and paper group. Its partner in several forest prodocts operations is Mead Corporation of the U.S.

Noranda aiso has mining and metal interests in the U.S. and Latin America and major nranium reserves in Canada and Australia.

### **UAW** agrees to modify Chrysler deal

DETROIT - Mr. Douglas Fraser, the president of the United Auto Workers Union (UAW) has announced a tentative agreement with Chrysler Corporation on modifications to the three-year contract covering Chrysler workers in the U.S. The modifications, which now amount to \$416m in concessions by the Union, are subject to ratification hy

UAW memhers, which is

expected by the end of January, said Mr. Freser. The modifications, required by Congress when It passed the Federal loan guarantee aid for the company, mean the union has added \$243m to the \$203m it gave no when the contract was retified last November. Mr. Fraser said the \$446m was his union's share of the

total \$462.5m in concessions required of all unlone hold-ing contracts with Chrysler.

### Gold fever checks trading in Eurobonds

By Francis Ghilès

AS GOLD closed in London last night at \$630 an ounce after rising \$40 during the day and touching at one point a high of \$640, investors interested in Eurobonds were absent, except where some of the sterling denominated issues floated before 1979 are concerned.

Dollar hond prices drifted down by about 1 of 2 point across the board in thin trading. The eight-year \$40m stright issue for the European Coal and Steel Community which was priced at 993 after the indicated coupon was lifted from 114 to 114 per cent was signed yesterday. Lead manager of this issue is Nomura Securities and the bond yields 11.55 per cent to maturity.

The previous issue for the

ECSC, launched through Goldman Sachs three weeks ago, is now trading at 97% at which level it yields 12 per cent. However, this issue includes a bullet moturity of 10 years, whereas the latest ECSC issue runs for eight years and includes an average life of 6} years. the Deutsche-Mark sector prices ended the day

mixed in thin trading.

### Noranda in | Connecticut General offer meets more opposition BY STEWART FLEMING IN NEW YORK GENERAL said that it has reached its insurance regulators would be

CONNECTICUT nounced its opposition to the

Connecticut General has so far given no indication of how it will respond to this move, whether to appeal against the decision, withdrawn or press

The Missouri Department has

Kansas City hased reinsurance also, it said, hecause of expresconcern, darkened over the sions of opposition from insurweekend when the Missouri ance companies who do busi-Insurance Department an ness with ERC and do not want to ee it swallowed up by a firm

which is a direct competitor. But in the hackground, it is known that ERC itself has steadfastly opposed the Connecticut hld, preferin ga sival offer from a fast growing oil company, Charter.

Approval of several State

decision partly because it felt required for the Connecticut ing a proposed \$450m takeover the proposal was not good for General proposal to go ahead of ERG Corporation, a leading competition in Missouri but but the opopsition of one is not necessarily something which could automatically halt the proposal.

Connecticut General said yesterday that it is still reviewing courses of action available to it following the Missouri decision. Charter has offered \$90 a share in subordinated debenture

stock for some 43 per cent of ERC in a deal which values the total ERC equity at around

### \$1m Ford Pinto trial defence

BY IAN HARGREAVES IN NEW YORK

understood to he spending Pinto's petrol tank exploded nearly Sim on its defence in a state trial in which it faces charges that it was recklessly homicidal in its design of the fuel storage system in its Pinto model cars.

Jury selectin for the trial, due to open formally this week and expected to last two months, began yesterday.

The trial, which follows a

FORD MOTOR Company is were hurned to death after their small car end of the U.S. market, following a rear-end collision. Ford has maintained that the any other passenger car and that the county where the three they met all Federal safety women died.

1976, following a change in cide if found guilty, the Federal regulations. Ford sold successful defence of the action about 180,000 modified Pintos is considered important to its

The trial is being held in Winamac, Indiana, a small town selected as a neutral location 1.9m Pintos produced between following protests by Ford 1971 and 1976 were as safe as against holding the hearings in

requirements.

Extra rearend protection was built into Pintos produced since on each count of reckless homistring of civil hearings on last year, hat the controversy image and possibly to the outrelated cases, is based on an surrounding the model has been accident in Indiana in Angust an important factor in the com- of which Ford has already lost 1978 when three young women pany's poor performance in the with resultant heavy damages.

### VW America dispute spreads

BY OUR NEW YORK STAFF

vesterday virtually shut down as the effects of a pay dispute at its West Virginia body stamping plant spread to its main assembly centre in

turns ont around 1,000 Rabhits (known in Europe as the Golf) each day.

Volkswagen has Although heen hit by a number of unofficial strikes since it began The company sent assembly assembling cars in the U.S. line workers home after the four years ago, the strike over completion of the first Monday wages at the hody stamping tract,

VOLKSWAGEN of America was shift on the line which normally plant is thought to be the first official union action

Mr. Ray Ross, director of the United Autoworkers Union, said the union was in dispute with the company about a wide range of pay and fringe benefit components of a proposed three-year pay con-

### FT INTERNATIONAL BOND SERVICE

The list shows the 200 latest international bond-issues for which an adequate secondary market exists. For further details of these or other bonds see the complete list of Eurobond prices published on the second Monday of each month.

Closing prices on January 7 on the second Monday of each month. I.S. DOLLAR

Alexa of Australia 10 89  Alexa Howden: XW 92 81  Australian Res. 94 84  Avco O/S Cag. 102 87  Aanaficial Fin. 94 87  CECA Gr. Ratta 104 91  155  CECA 94 99  Canadien Pacific 94 89  50  CetCA 95 99  Canadien Pacific 94 89  50  CetCA 96 99  Canadien Pacific 97 89  60  CetCA 97 99  Canadien Pacific 97 89  60  CetCA 97 99  Canadien Pacific 97 89  60  CetCA 98 99  Canadien Pacific 97 89  60  Combinental Grp. 98 85  60  Combinental Grp. 98 85  60  60  60  60  60  60  60  60  60  6		 7014	0			VI-Id
Alex Howden: XW 9-81  Australian Ras, 9-8 84  30  77  79  0  13.34  Australian Ras, 9-8 84  30  77  79  0  12.04  12.04  12.12  83  90-12  90-11.80  83-12  8	STRAIGHTS			-		
Auspralian Ras. 94 84  Avco O/S Cap. 102, 87 40  Auco O/S Cap. 102, 87 40  Saneficial Fin. 93, 87  CECA Gr. Rate 104, 91 150  CECA 94, 99  125  Canadian Pacific 94, 89 50  Cartar Hawley 93, 85  Comalco Inv. E. 109, 91 40  Continental Grp. 94, 85 100  Comminon 8:idge 104, 84 30  Com Chem. 0/S 94, 94 200  El8 105, 87  CTE Finance 94, 84 100  Export Ov. Cpn. 94, 84 150  Export Ov. Cpn. 94, 84 150  GTE Finance 94, 85  CTE Finance 95, 85  CTE Finance 97, 86  CTE Finance 97, 86  CTE						
Avco 0/S Cag. 104, 87  Saneficial Fin. 93, 87  Saneficial Fin. 93, 87  Saneficial Fin. 93, 87  Saneficial Fin. 106, 91  S						
Saneficial Fin. 94 87 100						
CECA Gr. Rate 104, 91 CECA 94, 99	Avco 0/S Cag. 104 87					
CECA 94, 99			904	-D.	-0%	17,80
Canadian Pacific 93, 89 50 893, 897, -03, -03, 11,50 Cartur Hawkey 93, 83 50 893, 897, -03, -03, 12,12 Continental Grp. 93 86 100 893, 893, -03, -03, 11,82 Continental Grp. 93 86 100 893, 893, -03, -03, -03, 11,52 Continental Grp. 94 86 100 894, 893, -03, -03, -03, 11,52 Continental Grp. 94 86 100 894, 893, -03, -03, -03, 11,52 Continental Grp. 94 200 893, 893, -03, -03, -03, 11,52 Continental Grp. 94 200 893, 893, -03, -03, -03, 11,52 Continental Grp. 94 84 100 873, 873, -03, -03, -13, 12, 17 Continental Grp. 94 84 100 874, 873, -03, -03, -11, 12, 17 Continental Grp. 94 85 100 874, 873, -03, -03, -11, 72 Continental Grp. 94 85 100 874, 873, -03, -03, -11, 73 Continental Grp. 94 85 100 874, 873, -03, -03, -11, 73 Continental Grp. 94 85 100 874, 873, -03, -03, -11, 11, 88 11, 23, 81, -03, -03, -11, 11, 83 11, 23, -13, -13, -13, -13, -13, -13, -13, -1						
Carter Hewley 92, 83 50 89% 89%0%0% 12.12 20 20 20 20 20 20 21.1. 22 20						
Comaico Inv. E. 103, 91 40 90 90½ -0½ -0½ 13,82 Continental Grp. 9h, 85 100 89½ 89½ -0½ -0½ -0½ 11.59 20 minion 8:idge 104, 84 30 89½ 89½ -0½ -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -0½ 11.59 20 85½ 87 -0½ -1½ 12.04 20 85½ 85½ -0½ -1½ 12.04 20 85½ 85½ -0½ -1½ 12.04 20 85½ 85½ -0½ -1½ 11.99 20 85½ 85½ -0½ -1½ 11.99 20 85½ 85½ -0½ -1½ 11.99 20 85½ 85½ -0½ -0½ 11.99 20 85½ 85½ -0½ -0½ 11.99 20 85½ 85½ -0½ -0½ 11.99 20 85½ 85½ -0½ -0½ 11.75 20 85½ 85½ -0½ -0½ 11.75 20 85½ 85½ -0½ -0½ 11.75 20 85½ 85½ -0½ -1½ 11.63 20 85½ 85½ -0½ -1½ 11.63 20 85½ 85½ -0½ -1½ 11.63 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.83 20 85½ 85½ -0½ -0½ 11.77 20 85½ 85½ -0½ 85½ 85½ 85½ 85½ 85½ 85½ 85½ 85½ 85½ 85						
Continental Grp. 94 88 100 Oome Petroleum 10 94 50 Dominion Stidge 104, 84 30 Oove Chem. 0/5 94 94 200 El8 97 87	Carter Hawley 94 85		891	-0.5	-014	12.12
Oome Petroleum 10 94 50 89's 89's -0's -0's 11.52   Dominion Stidge 10's 84 30 89's 89's -0's -0's 11.79   Solve Chem. 0/S 9's 94 200 86's 87 -0's -0's 11.79   Sels 89's 87						
Dominion 8:idge 10% 84 30 94½ 95 -0% -0% 11.78 00w Chem. 0/5 9½ 94 200 85½ 87 -0% -0% 11.58 11.58 87 87	Continental Grp. 94 85					
Gow Chem.         0/S         9°8         94         200         86°2         87         -0°3         11.58         E18         9°8         7         -0°3         11.58         E18         19°8         87°8         -0°3         11.58         88°8         0°2         -1°1         12.06         85°8         86°4         0°2         -1°1         12.06         85°8         86°4         0°2         -1°1         12.06         85°8         86°4         0°2         -1°1         12.25         83°3         0         -0°4         11.79         11.59         82°4         93°4         0°7         0°7         11.59         22°4         93°4         0°7         0°7         11.59         22°4         93°4         0°7         0°7         11.59         22°4         93°4         0°7         0°7         11.59         22°4         93°4         0°7         0°7         11.79         0°7         0°7         0°7         0°7         11.79         0°7         0°7         0°7         0°7         0°7         0°7         0°7         0°7         0°7         11.79         0°7         0°7         0°7         0°7         0°7         11.79         0°7         0°7         0°7         11.79         0°7 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
El8 8% 87						
E18 10 59 87 100 85½ 83 0 -0½ 11.97 878 879 40½ 93% 0 -0½ 11.97 879 879 879 879 879 879 879 879 879 8	Oovr Chem. 0/5 94 94					
El8 10's 87	EI8 9'8 87					
ERS 10 15 59	EJA 10 39					
Export Ov. Cpn. 9% 84 100  Export Ov. Cpn. 9% 84 150  Export Dv. Cpn. 9% 94 150  Export Dv. Cpn. 9% 95 100  Export Dv. Cpn. 9% 95 11.76  Export Dv. Cpn. 11.87  Ex	E18 104 87					
Export Dv. Com. 94, 94, 150 Finland 93, 89	218 10 15 99					
Finland 9% 89	Export Ov. Con. 94 84		317,	-04		
TTE Finance \$\frac{9}{4}\$ 84 50  TYPE Finance \$\frac{9}{4}\$ 85 55  TYPE Finance \$\frac{9}{4}\$ 85 55  TYPE Finance \$\frac{9}{4}\$ 85 50  TYPE Finance \$\frac{9}{4}\$ 85 50  TYPE Antillies \$\frac{9}{4}\$ 85 75  TYPE Antillies \$\frac{9}{4}\$ 85 75  TYPE FINANCE THE FINANCE			93	. 0		
CTE Finance 34, 89 55 89, 887, 0 -04, 11,78 177 Pr. 86 100 887, 894, 0 -04, 11,78 11,00 for other line 37, 85 50 92 921, 0 -04, 11,83 177 Antilies 92, 89 75 85, 883, 0 -04, 11,98 11,98 178 Antilies 92, 89 179 1	Finland 99 89					
75	Finance 94 S4					
Gould Int. Rn. 94, 65   50   92   92   0   -0%   11.83	GTE Finance 9% 89		BEA.	0		11.78
didson Say Co. 10 94   50   82%   89%   -0%   -1%   11.63     YTT Antillies 9%   89	97 BS		891	0	-07	11.75
77 Antilies 92, 89	Gould Int. Fin. 94 85		924	0	-04	11.83
Kannacott Int. 9½ 86 100 867, 87% -0½ -0½ 12.53 Maniltobo 9½ 89		833	592	$-0^{2}$		
Manilobo 9, 89	11 Antilles 94 89		86	0	-0%	11,98
17	Kannacott Int. 94 86					
Nal. Des. Telecm. 91, 85   100	Menii020 A. 83			-0r	-14	11.94
Naw Grunswick 93, 94   75   86   -012   -073   11.87	751 halin 10 94			0	-02	11.74
Norway 9½ 84			.01	-04	-0.	11.71
Norway 91, 84	reavy Grunswick 94 94		86	-0.5	-07	71.87
Norway 9*, 84	Memoriana 10 94		97	0	-0,	11.50
Nova Ocotia Pwr. 94, 89 50 87°2 89 -0°4 -0°3 11.97 Occidental Fin. 10°4 84 50 83°2 94 -0°4 -0°4 12.12 Orient Lessing 9°2 66 25 87°3 82°4 -0°4 -0°4 12.12 Pannwalt 0 '8 F 9°4 84 25 91°4 \$22°4 -0°4 -0°4 12.12 Pepsico Can. 9°4 84 100 92°4 93 40°4 -0°4 11.80 \$984 86°4 0 -	7201995 KOIIIM, 8'2 99				-75	72.09
Occidental Fin. 10% 84 50 931- 94 -03- 07- 12-12 07- 12-12 12- 07- 12-12 12- 07- 12-12 12- 07- 12- 12- 12- 12- 12- 12- 12- 12- 12- 12	Norway 5-2 64			0	-04	11,70
Orient Leveling 91, 68 25 877, 821, -01, -01, 12.22 Pannwelt 0/8 F. 91, 94 25 917, 921, -01, -01, 12.12 Pepsico Cap. 97, 84 100 97, 32 401, -01, 11.50 Oriente Hydro 10 99 75 881, 861, 0 -07, 11.80 Sara Roshinck 9 82 150 934, 841, -01, -01, 12.45	Condendarial Fair, 94 89			-04	-0.	11.97
Pepsico Can. 97, 84 100 97. 9201, -01, 12.12 Pepsico Can. 97, 84 100 97. 9201, -01, 11.80 Sara Roshinck 9 82 150 93. 94001, 12.45	A		94	-0-	-0%	12.12
Pepsico Can. 55, 84 100 923, 93 +03 -03 11.52. Nushec Hydro 10 99 75 953, 965, 0 -07 11.90 Sears Roshick 9 82 150 934, 945 -09 -07 12.45			06	-0%	-0.5	12.29
Nushec Hydro 10 99 75 964 865 .0 -07 11.80 Sears Roshick 9 82 150 934 945 -01 -07 12.45						
Sears Roshinck 9 82 150 934 941 -01 -01 12 45	Duebec Huden 10 00		272	0,4	-04	11.52
	Seere Bookupt 9 97	934	90.7	·U	-0.5	17.80
Statoil 95 89 100 - 882, 29 0 -07, 11.61	Statoil 95 89	BBZ	24.2	-04	-0'Z	12.45
	Sweden 93 Pg	202		_0	-0'-	11.67
Sweden 95 88 100 885 88 -05 -05 11.78	Sweden 97, 88	901		-01	-07	11,78

DEUTSCHE MARK				Char	190 on	
STRAIGHTS	issued	eld				
African Osv. 8k. 8 87		98			0	8.30
Argentina 72 89	150	931,		-11	-14	8.47
Asian Oev. ak. 74 89	100	945		-02	-0%	8.03
Sanco Ossarrollo 74 89	100	933		-01	-1	8.59
Barclays O'sees 6% 89	100	955			+0%	7 17
Brazil 8 87	150	962		-04	-07	0 00
CECA 7 91	150	934		_0	-04	7.81
Council of Eur. 74 89	100			-01	-0%	7.90
FEC 77. 94	225	967	99	LOL	-04	0.03
EIA 74 89	200	977-	994	-101	-0.	7.05
Tatrobras-Arezii 7. 87	100	921	943	+ m	+14	
urofima 61, 89	100	961	947	TOT	+0	8.15
Cobe, City of 74 89	150	973.	993	TVT	-04	7.03
Mitsubishi Cham. 64 94	70	973.	97	-01	-04	7.40
Meder. Gesunie & 88	700	1032	104	107	_o.	7.43
New Zestend 74 87	200 .	951	ORZ.	-m	0	
Nippon Kokan 612 84"	100	957	957	_~~	-03	7.38
Nippon Tal. & T. 53 87	100	89	863	_0	-17	7.78
Norges Komm. 73 91	150	101	1012	102	+0%	7.00
Norges Komm. 6% 94	150	1011	1017	107	-0%	7.36
Norway 6 84	200	971	963	-01	-03	0.06
7K8 8 87	40	- 90	91	TOT	+0%	6.83
0K8 74 89	100	973	907	707	-02	7.50

440th paule 14 31 """ 400	97's 98's -0'2 -0'4 7.9
SWISS FRANC	Change on
STRAIGHTS Issued	Bid Offer day week Yiek
Argentina 57 <sub>2</sub> 89 80	95% 98 +0% -0% 0.00
Auntar 5 89 60	944 944 +04 +04 67
Australia 34 89 250	904 81 -04 -04 -48
Bergen, City of 44, 91 40	3572 36 0 -1 5.75
8NOE S 89 75 RMW Oversees 42 91 100	89° 89° -0° -0° 88°
Caisse Nat. Tale. 44 89 100	954 96 -02 -04 4.7
Canada 3% 89 300	961, 97 0 -01, 4.7
Cogenhegen 41, 91 60	92% 92°2 -0°2 +0°2 4.60
Chuncil of Eur. 5 89 100	
EIB 4's 91 100	90 90° +0° -0° 5.67
EIS 47 84 700	88 881 0 -01 5.57
Elet. de France 45 89 100	974 89 +07 -07 4.5
GZB 44 89 100	907, 914 -11 -2 5.4
Hild 47 91 35	96 97 -01 -11 4 94
ICI Fin. NV 3-2 94 230	807 91 -01 -07 540
Int-Amer. Oav. 412 89 100	90 90 -1 -15 5.85
Melaysia 5 89 80	90 901, -01, -07, 6.37
Nigpon Tel. & T. 4, 89 100 Nordic Bank 5 89 45	9572 96 -01 -01 4.80
Norges Komm. 44 91 100	1001, 1001, +012 0 4.96
OKB 34 91 100	931, 941, -01, -11, 8.00
	1847, 847, -01, -15 S.67
Oalo, City of 4% 91 100	891, 90 -01 -01, 5.58 891, 901, -01, -02, 5.55
Shikoku El. Pwr. 43 89 100	88 984 0 -02 5.55
9pein 4 91 100	89 884 +0407 5.44
Stawesg 44 91 60	96 97 -04 +04 5.13
Voest-Algina 43, 89 90	987, 99 0 +17, 4.92
World Bank 43, 89 100	97- 89 -0- +0- 4.92
World 8ank 41 89 150	94 94, -0, -1, 5,14
World Renk 41, 91 100	071 771 77 71 74

+02 2.86 +04 8.13 2 +02 7.87 0 9.12 4 -1 8.00

	OTHER STRAIGHTS	SSUOD	Bitz	Offer			
	Avco Fin. 10% 86 C\$	25	83	6672		+04	
	- Sell Canada 10% 86 C\$	60		.933		0	
	Cr. Foodlar 10% 94 CS	30	907	81	-ው	+0%	13
	Ex Dev. Con. 10 84 CS		923	927	+02	+0%	12
	Fyt. Can. Inv. 10 84 CS	50 -	91			0	
	Hudson asy 1012 89 CS	60		901	-0-	-04	12
	Quebec 104 86 C\$	50	91		-01		12
	R. 8k. Canada 10 86 CS	40 .	921		0	01	11.
	R. 8k. Canada 10 94 CS	40	85		ŏ		
	Copenhagen 84 91 EUA		191	93	ŏ		
•	Copenhagen 8% 91 EUA	20	1987				
	SOFTE 84 89 EUA	40	1887		ŏ		
	Algemena 8k, 8% 84 Fi	75	97	973		+03	
	Amey 81, 86 Fl	75	98			+02	
	Ned. Middbk. 84 84 FI	75	567			+04	
	Norway 84 84 FI	100	967				õ
	Norway 84 84 Fl	100	96	96		-0.2	9.
	Rabobank 8 94 Fl	25	100%	103	+ m.	+02	9
	Air France 11 84 FFr	120	97%	98	TOT	0.7	11
	Euratom 94 87 FFr	150	85%	B61	-01	-0%	12
•	Finland 11 84 FFr	20	957	DEL	-02	-03	12
	Finland 111, 89 FFr	70	84	GE .	-04	-03	17
	Gaz da anca 11 84 FFr	150	974	981		-01	
	Norway & 84 FFr	200				-07	
	Renault 94 85 FFr	100	883	9012	~	-01	12
	Saint Gobeln 94 86 FFr	130	90.3	1000	-0.5	-07	14
	Solvey et Cie 94 87 FFr	125	853			-02	
	Total Oli 94 87 FFr	150	0.3	841	×	-07	13.
	CIT 441 64 F	25	825	835		-04	P.
	Finance for Ind. 13 91 £	15	87			-0%	
	Fin. for Ind. 121, 89 £	30-	857			+0%	
	Gen. Elec. Co. 124, 89 £	50	32	33%	+04	+04	73.1
	Indonesia 63, 81 KO	7	9272	332		+0%	
	Mitsublahl 74 84 KO	10	1932	94	ō	O.	
	Norges Kom. 74 89 KO	12	195		0	0	8.
	Occidental 84 81 KD	17	1934	937		0	8.6
	Akzo 94 87 Luxfr	500	190		0	0	8.6
	FURNISHE Q 47 (	F00	194%			$-0_{3}^{2}$ .	10.1
	Oalo, City of 8 83 LixF7	500 -	304		0	0_	9.7
•	Volvo 9% 87 LuxFr	500	894			-0%	
		200	984	99%	0 -	+0%	9.5
	PLOATING RATE						
		read e	4 0	C			~
	D		- VI	SET LE.	uu C	. etter l	

L	Colo Cias Co Contro			у.	n.	0	0	8.73
Į	Oalo, City of 8 89 Liner		- 89	94	200	ō		
Ĺ	Volvo 9% 87 LuxFr	500		2			- +04	
١				•		•	- +01	0.00
ı	PLOATING RATE							
ш	NOTES So	1020	eid i	~	- ~			
L	Banco di Roma Int. 8 87	œ.		CHE	r C.	OLO	C.epn	
	Banco Prov. BA 74 86	02	99.4	1001	- 23	4	154	15.77
,	Banco Urquijo 8 86	07	86%		. 5	/8	143	
1	Sank of Ireland 54 89		974		. 21	/3	137,	13.74
ı	Bank of Tokyo 54 89	101	967		21	/2	15.69	16.15
1	Barries Rt A/C o en	03	977	981	25	/1	18.18	
1	Bargen Bk. A/S 0 89		957	963	29	2	14.31	
ı	Boue Indo Suez 54, 89	O.*	88	981	, 11/	/1	11	11.20
L	anp 512 a1	Gr <sup>4</sup>	97	97	22	ė	11.94	
ı	Citicorp O/S F. 6 94	10%	967	99			14.44	
ı				100	23		15	15.16
	VIUCOMO DIS E. RA	ю	987		29	2		
	· CV-ODERRIVE SE SES	07.	971	001	- 21	-	15	15.13
	Creditanatalt 51. Otal gu		97%		15/		15.06	
			977	207	14/	3	147 <sub>8</sub>	15.18
1		01	883	300	10/	4	15.18	
	OGGODENKE SI MA	os.	96-	33	1/	2	16,18	16.37
ľ	PIG. CORK Janes C. CT	o.	945		23/	5	16	18,84
i	LICE James RL BR		97	87	15/	4	142	14.65
		04	974	974	: 13/	6	142	14.60
	Mirs. Hen. 0/5 5+ 94. +	<u>0%</u>	974	973	. 7/	6	14.19	
	Necional Fin. 64 89	04	983	38	29/	2	10.81	
		0%	974	97	25/	Ŧ.	113	11.78
		Or*	874	983	11/	i .	14.84	15.24
	Nippon Cred. ek. 61, 86	05a	97%	973	12/	•	10%	11.16
	Royal Sk. Scot. 54 84 \$#	ᅄ	98-		11/	•		
1		04	957	87	3/	ż,	13%	15.18
	Sogenal 53, 89	OL,	967,		11/	3 .		13.70
	CARDED NY OL .	04	1974	973	18/	٠.		11.20
			974		10/		18	15.38
	U.O. UVersees St. Own	œ.	87	2/,1	24/	5.	15.31	15.88
		D2,	967	9/7	29/	5	15.31	15.76
	Bq. E. d'Alg. 44 89 SF	04	86	87	14/	3 '	10	13.44
			00	20,	18/	IJ	6.89	6.95
	CONVERTIBLE	Tour	-					

Bq. E. d'Alg. 44 89 SF	04	96 <sup>7</sup> 2		10	13.44
CONVENTIBLE BONDS	Cnv.	Cnv.			
		price	Bid Offer	Chg.	Contract of the last of the la
Asabi Optical 7 02	1/90	145 40	914 92	-0-	-7.90 13.19
		606 670	941, 951, 1051, 1061,	+14	7.18
Credit Buless 41 02	9/79	675 1325	264 533	. +OL -	-2%
Estelle 79, 80	11/79	1020	107% 108% 97% 88%	+04	2.75
		159 532	89 947 1037, 1047	+0% -	-7 10
LPC Internatni, 6 89 Meidensha Elen, 7 94	12/2	35 210	821-F 1001-	+-	8.39
Niopon Salko 7L 94	10/79	604	945, 951, 1231, 125	+15	17.74 11.20
		339 735	925, 937, 854, 865,	-04	2.53
Toshibe Con. 7- 94 Union &k. Switz, 5 89		198 125	.98 99		11.46 6.22
Kansal Elec. 4 84 OM	7/79	475	1084, 1114 1004, 1014	-02	9.38 16.85
A AKAR TO' FU W ME UIT	4 /	1234 493	794, 804,	0 .	48.61 50.76
Uny Co. 6 86 DM1	1/79	1071	981 991	-07	30:70 23.10

\*No information available—previous day's grice.

† Only one market maker supplied a price.

Straight Bonds: The yield is the yield to redemption of the hid-price; the amount issued is in millions of currency units except for Yen bonds where it is in billions. Otherwise on week. Change over price a week eabler. Ploating flate Notes: Oenominated in dollars unless otherwise indicated. Coupon shown is minimum. C.de—Date next coupon becomes effective. Spread—March above rate) for U.S. dollars. C.cpn=The current coupon. C.yid=The cerrent yield.

Convertible Bonds: Oenominated in dollars unless otherwise indicated. Chg. day=Change on day. Chy. date=First date for conversion into shares. Chy price=Rominal emount of bond per share expressed in currency of share at conversion rate fixed at issue. Pram=Percentage gramium of the current effective price of acquiring shares via the bond over the most recent

The Financial Times Ltd., 1980. Reproduction is or in part in any form out permitted without consent. Data supplied by Inter-Bond Sevices

THIS ANNOUNCEMENT APPEARS AS A MATTER OF RECORD ONLY

### THE FEDERAL REPUBLIC OF NIGERIA

US \$50,000,000 **EUROCURRENCY LOAN FACILITY** 

MANAGED BY

BANQUE DE LA SOCIETE FINANCIERE EUROPEENNE SFE GROUP

EUROPEAN ARAB BANK (MIDDLE EAST) E.C.

LLOYDS BANK INTERNATIONAL LIMITED NEDERLANDSCHE MIDDENSTANDSBANK N.V.

BANQUE NATIONALE DE PARIS

BARCLAYS BANK S.A., PARIS

BANCO OI SANTO SPIRITO (LUXEMBOURG) **BANQUE INTERNATIONALE POUR** L'AFRIGUE OCCIOENTALE (B.I.A.O.) BANQUE LIBANAISE POUR LE COMMERCE (FRANCE) S.A. BANQUE NATIONALE DE PARIS BARCLAYS BANK S.A., PARIS EUROPEAN ARAB BANK (MIDOLE EAST) E.C. INTERNATIONAL TRADE AND INVESTMENT BANK S.A. (I.T.LB.) LANOESBANK STUTTGART INTERNATIONAL

SOCIETE ANONYME F. VAN LANSCHOT BANKIERS (CURACAO) N.V. LLOYDS BANK INTERNATIONAL LIMITED NEDERLANDSCHE MIDDENSTANOSBANK N.V. SDCIETE FINANCIERE EUROPEENNE FINANCE COMPANY N.V. - SFE GROUP **UBAF ARAB AMERICAN BANK** 



BANQUE DE LA SOCIETE FINANCIERE EUROPEENNE SFE GROUP

### Swissair expects further dip in profits

BY JOHN WICKS IN ZURICH

number of features had com- in the past few months, Mr. bined to compress the operating surplus for 1979. A small increase in output, brought about by the addition of two DC-9-51 aircraff to the fleet and the simultaneous phasing out of one DC-9-32 airliner, had been thwarted by the "mireasonable" grounding of the DC-10s causing Surplus few months, Mr. Baltensweiler stressed. Swissair booked only a slight increase in load factor for the year. The small rise in production involved increasing staff by simultaneous phasing out of one the market of the past few months, Mr. Baltensweiler stressed. Swissair booked only a slight increase in load factor for the year. The small rise in production worker since 1960. However, Mr. Baltensweiler stressed. Swissair booked only a slight increase in load factor for the year. The small rise in production in the past few months, Mr. Baltensweiler stressed.

On top of the DC-10 grounding, there was a Swissair DCS One favourable influence dur- centime meant extra costs, or to SwFr 261m.

slightly lower profits for 1979

As for expenditure, this had ment for depreciation Depreciational profit on volume would, bowever, the rising price of aviation rise sharply again in future with spirit joday it costs twice as the introduction of the DC-980s, much as a year ago, with "no the Airbus and the new B-747 and of the spiral in sight." An aircraft. It would be necessary and of the spiral in sight." An aircraft. It would be necessary afterings president, said that a fuel-related tariff adjustments order to achieve an adequate facturer Masch and mede themselves felt only return on capital and allow expects a fall had mede themselves felt only return on capital and allow in the past few months, Mr. funds for exceptional write-offs.

Swissair a net loss of SwFr 15m "less negative" impact from (39.55m). Damage would have foreign exchange influences. The been "far worse" had the air situation had stabilised narrism.

SWISSAIR expects to report accident in Athens on October 7. ing the year was a low require-slightly lower profits for 1979 As for expenditure, this had ment for depreciation Deprecia-

SWISS textile machinery manu facturer Maschinenfabrik Rieter expects a fall in net profits for the year ended October 31, 1979, of some 15 per cent. Operating profits are stated in the company's bonse magazine to bave fallen fast and are termed "unsatisfactory," although the set-back was partially offset by income from participations and securities.

fuel outlook: Swissoir might have to reckon with "real supply bottlenecks" and the ated turnover for 1977-78 was price would continue to rise. For 1980 alone the oirline has budgeted SwFr 500m (\$318.5m) SwFr 301m, is again expecting sales of about SwFr 300m (\$190m). Production value for fuel. A price change in aviation spirit of a single decreased by some 10 per cent

### Increased sales from Karstadt

By Our Financial Staff

TNCREASED sales are reported for 1979 by Karstadt, the major West German department store which is the largest retail chain in Europe.

Excluding VAT, group sales rose by 9.4 per cent last year tonnes, comprising over 1.6m tonnes from the group's 41 per to DM 9.25m (\$5.45m), or by 3 cent boilding in the UK North per cent in real terms adjusting Sea Thistle Field and 65.000 for new selling space. After nine months of 1979 sales from existing floor space wera running some 2.7 per cent ahead.

lds

to be the

FOSS Rep . Said the E

with the con

suce of ball

companies (

e-rear par

Citon Ross

The noturn in the final three months has plainly been aided by peak season volume during inadequate self-supply hase of the run-up to Christmas. Last our shareholders, and the year Karstadt increased finor resultant higher average crude

The company has yet to dis-close profit figures. At the nineinto profit margins.

In 1978 Karstadt's net earn-DM 70m following start-up costs. and the integration of losses from the mail order group. Neckerman in which Karstadt took a controlling stake in 1977.

Group profits were running at a peak DM 152m net in 1975.

### Major survey of Italian companies

MEDIOBANCA; one of Italy's leading medium-term special credit institutes, has produced a major survey of some 160 Italy for 1979 of more than FFr 60m intended to substantially intended to substantial intended

### DEMINEX

### Facing up to tough targets

Germany's national oil explora-tion group, Deminex, still bas-far to go before achieving its goal of providing the country with aignificant and secure crude oil supplies.

In 1979, supplies of oll from its nwn production plna buy-back oil amounted to 1.7m tonnes, comprising over 1.6m tonnes from fields acquired in the U.S. earlier this year with the takeover of the American company, Creslenn Oil.

Despite some recent successes Dr. Ernst E. Hntz, the company chairman, notes the continning "inadequate self-supply hase of space by 4.1 per cent to 1.2m oil procurement costs compared square metres.

The company has yet to discompetitors."

The group's target, notlined at a recent Press conference, is to secure 10m tonnes a year month stage it indicated that to secure 10m tonnes a year capital spendiog on new selling from its own crude oil sources area bad substantially eated during the second balf of the during the second balf of the 1980s. This would be equal to a third of the current refining capacity of Deminex' share-inolders, Veba (54 per cent). Union Rheinische Braunkohlen Kräftstoff and Wintershall (18.5 per cent each) and Saarberg werke (9 per cent).

werke (9 per cent).

To achieve this, Deminex is looking to two regions in particular—the North Sea and the

in 1981. These are the UK's North Sea Beatrice Field (Deminex shares 22 per cent) and Block EE 85 in the eastern part of the Gulf of Suez. in which Deminex is the operator.

Looking at 1980, Mr. Baltens-

weiler said Swissair's bill would

rise by some SwFr 100m

(\$63.7m) over the year. He expressed aerions concern at the

The group is cautiously optimistic about developing several other North Sea blocks in which

By the second half of this decade Deminex hopes to have increased supplies of crude oil to around 10m tonnes, or by more than five times the level of supplies achieved in 1979.

it has shares, including Block 34/4 offshore of Norway and are oil-bearing. It is bldding for shares in concessions to be awarded in Norwoy's coming fifth round and will bid in the

werke (9 per cent).

To achieve this, Deminer is looking to two regions in particular—the North Sea and the cultur—the North Sea and the cultur—the North Africa.

By the mid-1980s, the group expects to obtain some 4.4 to first joined, then withdrew

FORMED 10 years ago, West 5m tonnes of production or huy-from) he says the trend to scar-flow group, Deminex, still bas two fields due to come on stream and fears about security of supplies following events in Iran have "increasingly Iran have "increasingly aharpened the competition for

available reserves. Nearly 30 per cent of Deminex investment has been in the Sea, and this is expected to reach one-third by the end of

The other focal point of activity will be North Africa and the Middle East. Production from the EES5 Gulf of Suez field is expected to start in 1981, reaching a peak of 2m tonnes (obout 1±.8m harrels) annually in 1982-83. The field's reserves are esti-mated at 160m barrels.

On the western side of the Gulf of Suez, in Block LL 87, production tests are under way to determine whether oil finds made in the past two years can be economically developed. As in the case of EE85, Deminex is operator in the early stages, with BP and Shell as equal (33 per cent) partners. If produc tion goes ahead, the consortium will hold a 50 per cent share in the production company, along

the production company, along with the stote-owned Egyptian General Petroleum Corporation. In Libya, Deminex last month acquired a 70,000 square kilometer onshore concession, in return for a pledge to spend at least \$100m on exploration. The deal was accompanied by Libyon pledges of increased oil supplies for Veba Oel, and negotiation are currently in progress.

### SCREG sees sharp upturn | Plessey again THE FRENCH public works per cent on the 1978 total of delays decision on subsidiary

By Jimmy Burns in Lisbon

and telecommunications company, has again postponed a decision on the future of its troubled Portuguese subsidiary, Plessey Portuguesa.

The company said yesterday that an initial round of talks between Plessey and the Portuguese authorities had gone better than expected and thot the company had agreed to a further extension of the original December 20 deadline for an agreement on the company's future in Portugal. Plessey was reported to have threatened to wind up its subsidiary's operations unless the Portuguese agreed to a cut in the company's 3,500 work force.

3,500 work force.

The recently formed centre right Government is believed to have agreed in principle to a rationalisation of Plessey'a labour force, although the details will not he ironed out until a further meeting in Lishon next Monday. Plessey'a negotiating team will be led, as befine, by Mr. Warren Sinsheiner, the group'e deputy chief executive.

Plessey Portuguesa bas 60 percent of Portugal's switching equipment and is the main supplier of telaphones to CTT/TLP, the state telephone compony.

### New chief for Air Portugal

FORMER Minister for Indus try, Sr. Fernando Dos Santos Martins, is to he chairman of Air Portugal, the State-owned airline. He repleces Sr. Alvaro Barreto, the Minister for Industry in the recently formed centre-right coalition

Sr. Martin's appointment is the company's seventh Board reshuffle since the 1974 revolution and coincides with a particularly critical period in the company's history.

The airline is still awaiting a firm Government decision on a financial restructuring scheme nnancial restructuring scheme aimed at putting Air Portugal on a profitable basis by the mid-1980s. Air Portugal's financial difficulties were aggravated last month by a week-long strike during the peak Christmas period. The strike cost the airline an estimated Es 280m (\$5.6m) in lost revenues and jeopardised its strenuous efforts to become truly competitive on the inter-

December 1979



This ennouncement appears as a matter of record only.

### KINGDOM OF SWEDEN

US\$800,000,000

Ten Year Loan Facility

BANK OF MONTREAL GROUP

NATIONAL WESTMINSTER BANK WESTDEUTSCHE LANDESBANK GIROZENTRALE

CREDIT LYONNAIS

SKANDINAVISKA ENSKILDA BANKEN

PKBANKEN SVENSKA HANDELSBANKEN SPARBANKERNAS BANK

AMSTERDAM-ROTTERDAM BANK N.V.

ALGEMENE BANK NEDERLAND N.V.

BANQUE NATIONALE DE PARIS CANADIAN IMPERIAL BANK OF COMMERCE

DEUTSCHE BANK (ASIA CREDIT) LIMITED

THE FUJI BANK, LIMITED

THE NIPPON CREDIT BANK, LTD.

**SOCIETE GENERALE** 

CAISSE DES DEPOTS ET CONSIGNATIONS

CREDIT AGRICOLE

CONTINENTAL BANK OF CANADA

LANDESBANK RHEINLAND-PFALZ UND SAAR INTERNATIONAL S.A.

BAYERISCHE LANDESBANK GIROZENTRALE

DRESDNER BANK AKTIENGESELLSCHAFT

SOCIETE GENERALE DE BANQUE S.A. -

GIROZENTRALE UND BANK DER ÖSTERREICHISCHEN SPARKASSEN

AKTIENGESELLSCHAFT

BANQUE BELGE LIMITED

ORION BANK LIMITED

LANDESBANK SCHLESWIG-HOLSTEIN

GIROZENTRALE

BANQUE NORDEUROPE S.A.

NORDIC BANK LIMITED

PKBANKEN INTERNATIONAL (LUXEMBOURG) S.A.

SCANDINAVIAN BANK LIMITED

WESTDEUTSCHE LANDESBANK GIROZENTRALE

December 1979

This ennouncement appears as a matter of record only.



### **ELECTRICITY SUPPLY BOARD IRELAND**

DM 150,000,000

WESTDEUTSCHE LANDESBANK **GIROZENTRALE** 

**BAYERISCHE LANDESBANK GIROZENTRALE** 

DEUTSCHE GIROZENTRALE - DEUTSCHE KOMMUNALBANK -

HESSISCHE LANDESBANK - GIROZENTRALE -

NORDDEUTSCHE LANDESBANK GIROZENTRALE

TERMICAS DEL BESOS, S. A.

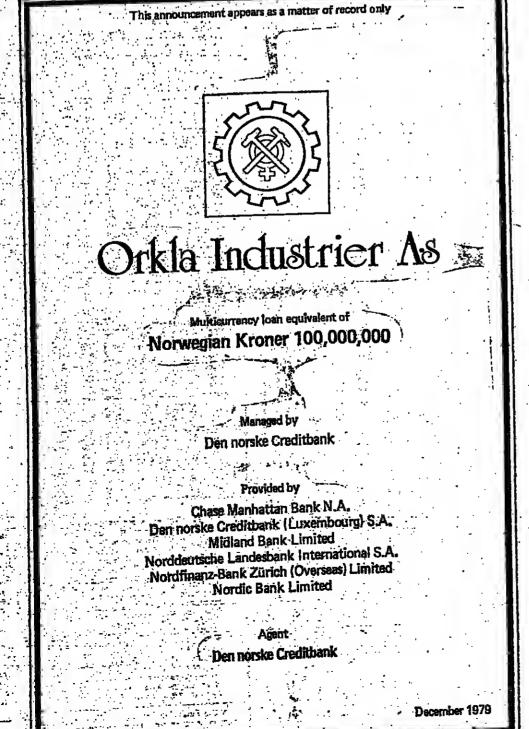
Barcelona, Spain

U.S.\$30,000,000

Ten Year Loan

WESTDEUTSCHE LANDESBANK GIROZENTRALE CANADIAN IMPERIAL BANK OF COMMERCE **CONTINENTAL ILLINOIS LIMITED** NATIONAL WESTMINSTER BANK GROUP SOCIETE GENERALE DE BANQUE S.A.-BANQUE BELGE LIMITED

> Agent WESTLB INTERNATIONAL S.A.



holders. The exchange also

UMAL replied that it had not

bought shares in Mineral

Deposits, hat in Tamco, which

included the Mineral Deposits'

UMAL said that the query

about the price attributed to

Mineral Deposits' shares did not

call for an answer, and that the

question of extending an offer

to minority bolders had not been considered. An exchange

of letters between the parties

followed, and these were re-

leased yesterday by the Sydney

to a listing requirement "wbich

sets out the principle that

shareholders should

stake among its assets.

holding in Mineral Deposits.

as Project Advisers to

The Emirate of Fujairah-U.A.E.

are pleased to announce the completion of linancial arrangements for the construction of

A New Cement Plant in Fujairah U.A.E.

(520,000 Tonnes Per Year) Cost U.S. \$100 Million

Investors include:

**Emirate of Fujairah** 

Islamic Development Bank, Jeddah, Saudi Arabia Voest - Alpine A.G., Austria Abu Dhabi Investment Authority

> Construction Confractors: Voest - Alpine A.G., Austria

Project Managers: Kaiser Engineers, Oakland, California, U.S.A.

### International Resources and Finance Bank S.A.

(Incorporated in Luxembourg with limited liability)

Head Office: in Luxembourg Branch: in London Affiliates: in Cairo, Dubai, Jeddah, Kuwait Associated with: Bank of Montreal

January 1980

This announcement appears as a matter of record only

October, 1979

### INTERCOM

Société Intercommonale Belge de Gaz et d'Electricité Belgische Intercommunale Gas- en Elektriciteitsmaatschappij

BF 2,000,000,000

**GUARANTEE FACILITY** 

in connection with a fixed rate loan made by

#### **EUROPEAN INVESTMENT BANK**

Managed and provided by

Société Générale de Banque Generale Bankmaatschappij

Banque Bruxelles Lambert **Bank Brussel Lambert** 

Banque de Paris et des Pays-Bas Belgique Bank van Parijs en de Nederlanden België

Algemene Bank Nederland

Amsterdam-Rotterdam Bank

Banque Belge pour l'Industrie

**Banque Degroof** 

**Bank Degroof** 

Banque de l'Union Européenne

Belgische Bank voor Industrie

**Barclays Bank International** 

Banque de Paris et des Pays-Bas

Banque Nationale de Paris Deutsche Bank

Crédit Lyonnais

Societé Générale

**Dresdner Bank** 

Kredietbank

Midland Bank

AGENT

Société Générale de Banque



### LA FRUITIERE DU BANDAMA

Project Linked Loan Counter Value in Deutsche Marks of FF.40,281,210

Guaranteed by

THE REPUBLIC OF IVORY COAST

Managed by

Crédit Agricole

Banque Rivaud

Provided by

Banço Urquijo Paris Branch Banque Franco Allemande S.A. Banque Rivand Barclays Bank S.A., Paris

Crédit Agricole Credit Saisse, Bahrain Nordic Bank Limited The Northern Trust Company



Banque Rivaud

and Markets

Africa

period of 1978.

was expected to be the best

Christmas ever, the South

African retail chain Wool-

worths reported a 13.3 per cent

increase in first-half turnover

to R83.7m (\$100.8m) for the

26 weeks to November 29,

1979. This compares with R73.9m for the corresponding

However, competition in the sector remained intense. This

is reflected by the fact that net

income hefore tax recorded an

advance of only 13.4 per cent

to R11.33m, against 1978's

### Advance by UMAL in Mineral Deposits dispute

Exchange nad no right to The Sydney Exchange referred further in the right well with the right was a region well.

### Woolworths BY JAMES FORTH IN SYDNEY

South

UTAH MINING Australia Ltd. purchase, and asked whether receive a comparable offer in the part of UMAL and/or in (UMAL) is at loggerheads the company proposed to fulfill writing when effective control directors."

Rut the IIMAL heard said that with the Sydney Stock its moral obligation to make an Exchange as to wbether the offer to the remaining minority company should make an offer to acquire the minority share-asked what price had been holdings in the heach sand attributed to the Tamco shareminerals Mineral group FROM TRADING ahead of what Deposits.

> The argument has been going on since last September, when UMAL bought Titanium Alloy Manufacturing Company A\$16m (Tamco) (U.S.\$17.8m) from NL Industries of New York (formerly National Lead). Tamco's assets included an 84.9 per cent sharebolding in Mineral Deposits and 70 per cent of the aluminium casting group Doehler

> Tamco also owned 90 per cent of the petroleum services group Baroid Australia, but this was sold back to NL. The Sydney exchange contacted within days of the Tamco

The interim results benefited from operations at two newly opened stores, with the group now operating 65 outlets nationwide. A further store is planned to open before the end of the current financial year. Even so, the management's philosophy is to upgrade and enlarge existing outlets, rather than to aim for higher market

Anstralia.

new stores. This policy, it is felt, will result in better control of group

penetration by the opening of

From interim earnings of 23 cents a share, up from 20.3 cents, a 10 cent interim dividend bas been declared, against 8 cents. During the year to May 1, 1979, earnings per share were 51,7 cents, and divinends totalling 22 cents were paid.

### Intl. Harvester Australia profit

BY OUR SYDNEY CORRESPONDENT

the year to October 31, convert-ing a loss of A\$3.5m to a profit of A\$6.44m (US\$7.2m). The turnround followed increased sales of farm machinery and beavy trucks, and is in line with the experience of another agricultural equipment group. Massey Ferguson (Australia) which reported a turnround from a loss of \$A6.3m to a profit of A\$974,000.

All of International Hardivisions showed healthy sales increases, with the truck section again contributing most to group turnover. Total

Limited growth

By Wong Sulong in Kuala Lumpur

A PRE-TAX profit of 10.5m ringgits (US\$4.8m) bas been

reported by Yeo Hiap Seng

Malaysia, the food and drinks

group, for the year ended September 1979.

This represents an 18 per cent

rise over the previous year, and is somewhat disappointing com-

pared with growth rates of 60

per cent and 220 per cent dur-ing the previous two years.

for Yeo Hiap

per cent to A\$162m. The group sales, despite static conditions within the motor industry, by increasing its market penetra-

Group profit included a con-

tribution of A\$4.25m from the finance offshoot, International Harvester Credit Corporation of Australia, up slightly from the previous year's AS4.1m. The directors said that the

group's improvement could continne throughout the current Given some stability in reduction programmes contri-economy, the increasing buted to the improved result.

INTERNATIONAL Harvester Australia staged a recovery in the year to October 31, convertible year to AS162m. The group efforts to improve efficiency, bas been able to boost truck they see 1980 as a year of continued growth and prosperity for the company.

of a company is transferred."

This requirement, the Exchange

claimed, put a moral obligation

On November 26, the UMAL

directors wrote to the Exchange

and said that it had made a

number of incorrect assertions.

requirement imposed a responsi-

bility on the directors control-

ling the company which sold the

shares, and that NL did not impose any conditions on UMAL.

"In the case of the Tamco acquisition, there was neither

another listed company involved

UMAL also said that the

Exchange had no right to

and that it was "going well

beyond your brief to suggest

lack of moral responsibility on

nor any other shares to buy."

UMAL said that the listing

directly bought shares

Mineral Deposits.

on UMAL, although it had not Sydney exchange then said that

ber 12.

The profit performance of 1978-79 was achieved in highly competitive and price-conscious markets, the directors said. A significant contribution came from the favourable influence of new heavy-duty truck sales, while the recovery in the rural sector generated an improvement in agricultural equipment sales. Cost control and cost

The proceeds of the bond

sales are used to assist Israel's

economic development in general, and the development of its infrastructure in particular.

communications and water and

### Dead Sea Works trebles earnings

But the UMAL board said that

it would consider making an

offer to minority holders. The

it was concerned that the mar-

ket in Mineral Deposits' shares

was uninformed, and asked for

a decision by 5 p.m. on Decem-

plied that it would not comply

with the exchange's " ultimatum

and deadline." The directors said they did not concede the

demand for an offer, which was

"unsupportable and unreason-

able." This latter letter was

released yesterday, apparently

inadvertently, whereupon the

exchange released all of the

Mireral Deposits' shares were

priced at - A\$L15 when the Tamco sale was announced last

September. Yesterday they

closed in Sydney at A\$1.45.

correspondence.

On December 7. UMAL re-

By L. Daniel in Tel Aviv

DEAD SEA Works, an Israelgovernment-controlled company, experienced a 210 per cent jump in net profit during the first balf of the current fiscal year. This rate of increase was. double the rise in the cost of living index (about 100 per cent), and more than double the 90 per cent rate of devaluation of the Israel-pound during the period under review.

Net profit reached 1£579m (\$16.5m) against I£187m a year earlier. The company produced 629,000 tonnes of potash in April/September 1979, and sold-702,000 tonnes, most of this onforeign markets. Its foreign currency income rose to \$38m. This was due not only to the larger quantity shipped, but also to the higher prices of potash on world markets.

The company is, therefore, paying an interim dividend of 20 per cent and distributing bonus shares at the rate of 30 per cent. The bonus shares. will be allotted first, so that recipients will be entitled to the. cash dividend on the new shares as well as on those held pre-

## The Euromarkets

Further rise in sales of

SALES OF Israeli-Government roughly balf of this amount

creased. Since the launching of This year, the emphasis will be the Israel bond drive almost 30 on the construction of roads.

years ago, over \$4.7bn of such communications and water and bonds bave been placed, with sewage facilities in the Negev,

Israeli dollar bonds

dollar bonds in 1979 increased already redeemed.

BY OUR TEL AVIY CORRESPONDENT.

by \$24.7m over the preceeding

year to reach \$394.5m. This is

the fifth consecutive year that

dollar bond sales have in-

**LONDON, JANUARY 21-22 1980** 

The 1980 Euromarkets conference to be arranged by the Financial Times will cover a wide range of subjects including such immediately important themes as the prospects for the dollar, and whether there will be a grave crisis of L.D.C. debt, as well as interpretations of what is happening in the international capital markets.

Among the speakers will be The Hon. Cesar E. Virata, Minister of Finance, Philippines; Mr. Norman Robertson, Senior Vice President and Chief Economist, Mellon Bank NA; Mr. Erik Hoffmeyer, Governor, Danmarks Nationalbank; Dr. Irving S. Friedman, Senior Vice President and Senior Adviser for International Operations. Citibank NA.

The 1980 Conference will be co-sponsored by the Investors Chronicle and The Banker.

For full details of the agenda and registration procedures complete and return the coupon below.

1	HE	LU	KON	<b>AA</b> b	KE.	LS	IN	1980	-
---	----	----	-----	-------------	-----	----	----	------	---

To: The Financial Times Limited, Conference Organisation, "THE EUROMARKETS IN 1980", Bracken House, 10 Cannon Street, London EC4P 4BY, Tel: 01-236 4382. Telex: 27437 FTCONF G

Please send me full details of your conference 'The Euromarkets in 1980'

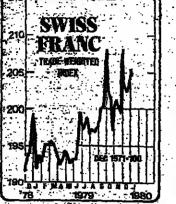
Name		 Company
Address		
	-	

A FINANCIAL TIMES CONFERENCE

### Sterling firm

Sterling improved against all October 19, and compared with major currencies yesterday, Friday's close of Y2345. On Bank with demand boosted by better of England figures, the dollar's than expected figures for the trade weighted index fell from Wholesale Prices Index. The S44 to R4.0.

The Hankfull There was no rise in December of 0.75 per cent FRANKFURT. There was no intervention by the Bundesbank yesterday when the dollar was fixed lower at DM 1.7103 compared with DM 1.7155 on Friday Trading was fairly quiet index rose to 70.8 from Friday. Trading was fairly quiet index rose to 70.8 from Friday. Trading was fairly quiet for all noon and in the morning. Against the dollar it opened at the previous week. Market \$2.2475 and touched \$2.2515 factors remain unchanged, with before coming back to \$2.2435.



mid-afternoon took place around \$2.2475, but demand increased later in the day with sterling reaching a best level of \$2.2670. It closed at \$2.2615.2.2625, a rise of 2.45c. Tus dollar finished above its

worst levels for the day, but was still well below Friday's closing levels. Apprehension over the

before coming back to \$2,2435, the situation in the Middle East-trading from late morning to outweighting any favourable economic factors coming from

PARIS-The dollar was lower at the fixing at FFr 4.0095 compared with FFr 4.0205 on Friday, while sterling rose to FFr 9.0200 from FFr 8.9950. The French franc remained the most improved currency within the EMS, and showed e slight overall gain against its EMS partners. MILAN - Tho sharp increase

in the price of builion appeared to depress the U.S. dollar, and it fell to L800.95 at the fixing compared with L802.95 on Friday. Elsewhere sterling rose to L1.801.30 from L1,796.90 and the Swiss franc was firmer at L508.28 against L507.95. EMS currencies showed a slightly weaker tendency, with the D-mark et L468.39 from L468.50, and the Dutch guilder firmer at L423.33 against L423.77.

TORYO — The dollar fell sharply against the yen yester-day, with confidence sapped by the continuing dispute over Iran and the situation in Afghanistan. situation in Iran and Afghanistan. The yen was sided by the recent the U.S. unit fall to IJM 1.7080 from DM 1.7110 Iran. The U.S. unit opened at against the D-mark, and to SwFr 1.5695 against SwFr 1.5775 in Iterms of the Swiss franc. The Japanese yen continued to improve, helped by the settlement of fresh oil contracts with Iran. The U.S. unit opened at Y233.75, but traded in a fairly narrow range for the rest of the settlement of fresh oil contracts with Iran. The U.S. unit opened at Y233.75, but traded in a fairly narrow range for the recent day. There was no intervention by the Bank of Japan, and the dollar finished at Y233.90, considerably weaker than Friday's close of Y237.45

	central-	Amounts against ECU January 7	" ohange irom contral	% change adjusted for divergence	Divergence
ian Franc	39.7997 -	40,3402	+1.38	+1.38	±1.53
nan O-Mark	7.72336	7.74976	+0.34	+0.34	±1.64 +1.125
ch Frenc	6.84700	5.61757	-0.50	-0.50	+1,3557
h Guider	2,74362	2.74279	-0.03	-0.03 ,	+1.512
- Pont	- 0.868201	· 0.672561	+0.65	+0.85":	. ±1.868
en Lira	1157.79	1151.48	+0.32	. +0.32	+4.08

### THE POUND SPOT AND FORWARD

Jan. 7	Day's Spreed	Close	One month	p.2.	Three months	9.4
U.S	2.2345-2.2570	2.2615-2.2625	0.45-0,36e pm	2.12	1.14-1.03 pm	1.9
Canade .	2,8200-2.8485	2.8435-2.6445	0.80-0.70c pm	3.40	1,26-1.75 pm	2.7
Nething.	4.22-4.25	4.27-4.28	2-10 pm	4.21	5-4 pm	4.21
Balgium	62.35-63.00	62.25-62.35	20-10c om	. 2.86	45-35 pm	2.5
Denmark	11.99-12.09	12.071, 12.087	Sors pm-1% dis	~0.74	24-44 dis	~1.2
Ireland	1,0405-1.0495	1.047 -1.0485	par-0.10p dis	-0.57	0.11-0.21dis	-:05
W. Ger.	3.821-3.88	3.88-3.87	31-21-pl pm		83-73 pm	8,1
Portugal	111.30-112.30	111,90-112,20	15-65c dis		40-140 dis	-3.2
Spein	148.36-149.50	149,35-149,45	45-85c dis		105-205 dis	~4.1
Italy	1799-1812	18104-15114	6-Stire die	-4.64	17-20 dia	-4.0
Narway	10.99-11.13	11.094-11.104	5-3ore per		104-84 pro	3.5
Franco	8.892 - 9.08	9,06-9.07	3-2c pm		81 81 pm	2.6
Swedeo	9.27 - 9.35	2.37-9.342	31-11-ors pm		יוים ביבים.	2.7
Japan	520-530	523-524	4.45-4.15y pm		10.80-10,50e	
Austria	27.55-27.90	27.80-27.86	18-8gra pm		52-42 pm	8.7
Switz.	3,512-3,55%	3.542-3. 54	41-31-c pm		92-84 pm	10.4
1	Seiglen rate is	far convenible	france. Financial	tranc (	84.95-65.05.	

#### THE DOLLAR SPOT AND FORWARD

Jan, 7	Day's	Closs	One month	% Dill.	Three months	% p.a.
UKt.	2.2345-2.2670	2.2815-2.2825	0.45-0.35c pm		1.13-1.03 pm	
Irelands	2,1550-2,1600	2.1570-2.1590	0.45-0.35c pm		1.60-1.50 pm	2.87
Canada '	1.1665-1,1670	1.1674-1.1877	0.18-0.12c pm		0.21-0.17 pm	0.85
Nothind.	1,8885-1,8925	1.8900-1.8910	0.41-0.35c pm		1.12-1.02 pm	2 26
	27.75-27.85	27.89-27.82	91-1c pm		3-1 pm	0.29
Belgium	0,3400-5,3490					
Denmark		6.3400-5.3415	0.80-1.30om dis			-3.18
	1.7050-1,7130	1.7075-1.7085	1.10-1.00pt pm			. 6.25
Portugal	49.45-49.50	49.50-49,57	15-25c die			-4.84
Spoin	64.00-86.12	66,04-66 08	35-50c d's			-5.80
Italy .	800.50-802	800.6/-801.20	4-6line dis			-6.12
Norway	4 9080-4.9110	4.9090-4.9100	0.95-0 45ere pm		2.35-1.85 pm	1.71
France.	4.0075-4.0140	4.0100-4.0120	0,80-0,50c pm		0.75-0.55 pm	0.65
Swadon	4.1280-4.1320	4.1300-4.1310	0.75-0.55era pm		1.25-1.05 pm	1.11
JZDBN	231.40-234.00	221,45-231.56	1.00-1.45y pm		3.70-3.55 pm	6.76
Austria	12.29-12.31	12.291-12.301	5-3gm pm		17-13 pm	4.88
Switz.	1,5660-1,6800	1.5690-1.5700	1.43-1.38c pm	10.74	3.41-3.36 pm	8.63
t UK and		uoted in U.S. c	urrency. Forward	premi	and disc	BUTTA

			Alle that to the managed environ	
•				
	CURRENCY	RATES	CURRENCY MOVEMEN	ITS

Jan. 4	Sank rate Z		European Currency Unit	Jan. 7	England	Morgan Guaranty changes 2
Sterling U.S. S. Canadian 6 Austria Sch. Beigian F. Danish K. D Mark Guilder French Fr. Lira. Yon Norwen. Kr. 20anish Pts. Swedlah Kr. Swedlah Kr.	12 14 05 101 11 6 91 91 16 51 91 8	1,52108 1,54689 16,2889 56,6521 7,07769 2,26631 2,50411 5,31140 1060.86 616.767 6 49707 97,6122	0.646262 1.44698 1.69187 17,8415 40,3563 7.76006 2.48041 2.74161 5.81651 1161,93 545,151 7.11915 98,6529 6.99441 2.28840	Sterling U.S. dollar Canadian dollar Austrian schilling Belgian franc Danish kronor Deutsche mark Swiss franc Guitder French franc Yen Based on trade we Washington sgreet (Bask of England	80.5 158.2 155.5 109.6 158.9 204.5 126.5 102.7 55.0 121.9 ighted channent Dece	mber, 1971

#### OTHER MARKETS

Jan. 7	. £			Note Rates
rgantina Pesq	5647-3557	1510-1620	Austria	97.45-97.70
ustralle Dollar	2,0250-2,0280		Belglum	
razii Cruzeiro	96,17,95,17	42.10.49.50	Denmark	11.98-12.05
Inland Markke	8.30-8.63	6 6855-3.6883	Franca	9.08-9.08
	85.885-86.465	57.70-37.90	Germany	5.8419-5.27
ong Kong Dollar	11.14-11.16	4.9995-4.9285	Italy	
an Rial	· n/a		Japan	
gwaltDingr (KD)		0.9714-0.2716	Nethorlands	
uxambourg Frg.	68.85-69.95	97.80.97.89	Norway	21.02-11.09
Jalaysie Dollar	4.90704.9185	9.1710-9.1720	Portugal	112-116
ew Zaaland Oir.	8.9775.9 9706	1.0055.1.0068	Spain	148-1664
audi Arab. Rival.	7.60.7 60.	5 5600-2 5618	Switzerland	3,5612-5.55
ingepore Dollar.	4 96304 8745	9 1600.2 1510	United States	2.245-3.358
th. African Rand	1 8695 1 9710	0 9945 6 9370	Viscolate	4712-49

Gold rose \$40 an ounce in the levels. The metal was fixed et

London hullion market yesterday 3634.00 in the morning and to equal its all time closing high 5633.50 in the atternoon.

In Paris the 124 kilo bar was

trading. The metal opened at fixed at FFr 79,750 per kilo \$635-645, but these higher levels (\$618.65 per ounce) compared attracted some profit taking with FFr 79,750 (\$620.50) in the although this was countered by morning, and FFr 71,500 renewed interest at the lower (\$553.13) on Friday afternoon.

Gold Colm

January 7

#### EXCHANGE CROSS RATES ....

Jan. 7	Pound\$terling	U.S. Dollar	Doutschem's	Japan'se Yan	FrenchFrano	Swiss France	Dutch Gulld'r	Italian Lira	Canada Dollar	Belgian Franc
Pound Sterling US, Dollar	0.448	2.002	6.865 1.709	598.5 161.4	9.065 4.008	5,555 1,571	4.975 1.890	1e11. 800.7 -	9.644 1,199	62.90 27.81
Dautscheinark Japanesa Yen 1,000	0.252 1.910	0.585 4.321	7,585	135.4	9,546 17:32	0,919 6.785	1,106 8.190	468.6 6460.	0,684 5,051	15.97 120.9
French Franc 10 Swiss Franc	1.103 0.261	2.495 0.637	4,864 1,088	577.6 147.4	10. 2,562	3.912 - 1.	4.716 1.208	1998.	2,217 0,744	. 69.39 17.71
Outch Guilder Italian Lira 1,000	n.254 0.558	0.529 1,249	0.904 8.134	129.6 959.0	2,120 5,005	0.881 1.961	2,360	425.7 1000.	0,618 1,460	14.71 24.78
Canadian Dollar	0.378	0.856	1.462	198.0	3,429 14.41	-1.844 5.648	1,617	0.883	4.205	23.79

EURO-CURRENCY INTEREST RATES The following naminal rates were quoted fur London dollar conditiones of deposits one month 14.25-14.35 per cont; three months 14.25-14.35

months 14.10-14.2	O par cent; on	year 12.80-12	90 per cent							•
Jan. 7	Storling	U.S. Dollar	Canadian Dollar	Dutch Gullder		West Garman Mark	French Franc	Hatlan Ura	Asjun \$	Japanese Ye
12hort term	161g-162 167g-171g 167g-171g 165g-197g	141g-142g 141g-145g 145g-147g 141g-143g 141g-141g 161g-161g	121-261 <sub>2</sub> 121 <sub>3</sub> -161 <sub>2</sub> 133 <sub>4</sub> -141 <sub>4</sub> 157 <sub>3</sub> -141 <sub>4</sub> 157 <sub>3</sub> -151 <sub>4</sub> 127 <sub>4</sub> -191 <sub>5</sub>	13-124 124-1246 124-1276 121-1236 113-12 113-12	4.41s 4.41s 61s.514 535.517 67s.5	7 71a 714 704 8.81a 814 816 816 816 816 816	117-124 184-184 134-164 134-164 134-164 134-144	13-16 9014-2278 2078-2514 2014-2112 1912-9014 1912-1912	144-143 143-1478 141-1458 141-141 1618-1614	5/6 934 8/4-9 7/6-8 8/6-8/6 814-8/4 7/6-8/6

Lang-torm Eurodollar, two years 12-12% per cent; three years 12-12% per cent; four years 11%-12% per cent; five years 11%-12 per cent; nominal closing rates.

### INTERNATIONAL MONEY MARKET

### European rates steady Sharp rise

appear to have stabilised following the sharp decline at the beginning of the new year, although call money was slightly firmer in Frankfurt, rising to cent; six-month 12½-12½ per cent. B.10-S.30 per cent from 8.00-S.20 per cent. Day-to-day-money was also higher in Paris, rising to were unchanged with me-month 12 per cent from 11½ per cent. FRANKFURT — Term rates were unchanged with me-month 12 per cent from 11½ per cent. S.60-S.80 per cent; six-month 12½-12½ per cent. Term rates were unchanged with me-month 12½-12½ per cent. S.60-S.80 per cent; six-month 12½-12½ per cent. S.60-S.80 per cent. S.60-S.80 per cent; six-month 12½-12½ per cent. S.60-S.80 per cent. S.60-S France has also fallen beck since the beginning of the month, when it touched the highest level for over five years. French term rates have also been fairly steady during the last week, while the French franc has remained the atrongest member of the European Monetary System, despits the recent appreciation of the D-mark.

1. Brussels the Belgian 38.38.50 per cent.

AMSTERDAM — Call money firmed to 12\frac{1}{2}\frac{1}{2}\$ per cent, while the month rose to 12\frac{1}{2}\frac{1}{2}\$ per cent, Three month was 12\frac{1}{2}\frac{1}{2}\$ per cent, and six-month 12\frac{1}{2}\frac{1}{2}\$ per cent, and six-month 12\frac{1}{2}\frac{1}{2}\$ per cent.

HONG KONG — The money market was easy in the morning

D-mark.

In Brussels the Belgian National Bank rejected any idea of selling part of the country's large gold stock by suction. The central bank is a major holder central bank is a major holder of the metal, with stocks roughly double Japan or the UK, and half France or Germany. Present market levels would value Belgium's gold at over \$27bn. During recent months the Belgian franc has been the weakest member of the EMS, but the central bank has preferred to defend the currency in the foreign exchange market and for operation the currency in the foroign exchange market and increase interest rates, rather than doyalite the franc. Yestenday deposit rates for the Belgian franc were slightly firmer. One month rose to 148-141, per cent. from 141-141 per cent, while surplus of day-to-day money in three-month was unchanged at the London money market 141-141 per cent. Six-month was quoted 2t 141-141 por cent, com-

European short-term interest pared with 141-141 per cent; and rates showed little change yesterday. In Germany rates compared with 131-131 per cent, appear to have stabilised tollow
PARIS Apart from call of the compared with 131-131 per cent.

market was easy in the morning and stable in the afternoon, with eall money et 11} per cent and

overnight 11 per cent. **UK MONEY MARKET** 

Bank of England Minimum Lending Rate 17 per cent (since Navember 15, 1979) Early expectations suggested a

yesterday but fears of a firmer trend in interest rates in the near future encouraged the discount houses to sell Treasury bills, and despite the relatively easy conditions in the market the authorities bought a small amount of Treasury bills from

Bank balances were roughly on target but revenue paymeots to the Exchequer were slightly in excess of Government disbursements. On the other band there was a small decline in the nots circulation and the market was also holped by small

net maturing Treasury bills.

Discount houses paid up to 16 per cent for secured call loans, but closing rates were taken at

8745-755 3598-606 \$720-740

In the interbank market over-night loans opened at 16-16; per cent, and oased to 15-15; per cent. Rates were generally soft in anticipation of a surplus of funds in the banking system, but firmed to 16-16t per cent again on the suggestion of a flat day. Towards the close rates fell sharply to close at 7-8 per cent. Rates in the table below are nominal in some cases.

### LONDON MONEY RATES

	lan 7 /1980	Sterling Certificate of deposit		Local Arthority deposits	Local Auth- negotiable bonds	Nousa	Company Deposits	Discount market deposits	Treasury	Eligible Sank Bills ф	Fins Trade Bills &
	Overhight	_	7-164	1634-101a	=	=	1534	13-10	= .	=	=
	7 days or 7 days notice:	_	1614-164	- 17	-=	1759	17	1534-10			Ξ.
• :	One month	16# 10%	16 1-17 107g-17	1619-17	18-174 175-174	1786- 1788	172	168	157g	174-171 <sub>8</sub> 15 <del>11</del> -15基	1714 1718
	Three months.	16%-164 16%-164	101-17 104-161-	167g-17 101g-161g	174-17 19ta-157a	178 1678 184	1729	163	108-104	1616-19# 1619-15	
	Nise months	· 10/4-10	1612-1634 1513-1632	155 <sub>6</sub> -153 <sub>4</sub>	1018-1679 1919-1014	10	] =	=	_	=	=
-	TWO YEARS			AUGE .			·				

Local authorities and houses saven days' notice others reven days fixed. "Long-term local authority mortgage rates nominally three years 15½-15½ per cent; lour years 15½-15½ per cent; five years 15½-15½ per cent. Treasury bills 15½-15½ per cent; two-month 15½ per cent; three-month 15½ per cent; three-month 15½ per cent. Approximate acilling rates for one-month bills 17-17½ per cent; two-month 15½ per cent; three-month 15½ per cent; one-month trade bills 17 per cent; two-month 15½ per cent; one-month 15½ per cent; one-month trade bills 17 per cent; two-month 15½ per cent; one-month 15½ per cent; one-

### WORLD VALUE OF THE POUND

The table below gives the latest eveilable rates of exchange for the have been calculated from those of foreign currencies to which they are pound against various currencies an January 7, 1980. In some cases rates are mominal. Market rates are the average of buying and salting rates except where they are shown to be Exchange in the UK and most of the countries listed is officially controlled and the rates shown should not be

VALUE OF

VALUE OF

taken so being applicable to any particular transaction without releases to (See) basic rate: (bg) buying rate: ea authorised dealer.

Abbroviations: (A) approximate rate. (Bk) bankers' rate: (cm) commercial rate: (P) based on U.S. dollar partites rate: (P) based on U.S. dollar partites rate: (I) Schoduled Territory: (nc.) noncommercial rate: (nc.)

PLACE AND LOCAL UNIT	& STERLING	PLACE AND LOCAL UNIT	E STERLING	PLACE AND LOCAL UNIT	£ STERLING
Afghanistan Afghani	94,00	Greenland Danish Kronar tirenada (5) E. Caribbean \$	12,08	Proples D. Repub. of Yamen (S) 8-Yemen Dinar	4400 77704
AlbaniaLak	10.23	Grenada (5) E. Caribbean \$	e,10	of Yamen (S) S. Yemen Dinar	(A)0,7725 exc(A)664.03
Algeris Dinar	8.6690 2,065	Guadaioupe Local Franc	9,065 2,2620	Philippines	16.76
Anderrans Spanish Poseta	149,40	Guaramala	2,2520	The state of the starting	{ - · -
	02,680		42,28	Pitcairn Islands (S) Sterling New Zealand 5	2,2785
Antique (5) E Caribbann 1	6 10	Guines Bissau Peso	75.35	PolandZloty	(Cm)66.00
Argontina. Ar. Peso Frae Rale Australia (S) Australian S	5,657	Guyana (5) Guyanese \$	0.7580		(T)66.00
Austria	2.0270	HaitiGourd	11.50	Portugal	112.05 112.06
Azores Partug. Escudo	119.05	Honduras Repub Lampira	. 4.5800	Puorto Rico U.2. 5	2,2620
	-	Hong Kong (5) H.K. \$	11,1500	Qatar (S) Qatar Ryal	8.30
Bahames(S) Ba. Dollar	2,2020	Hungary Forint	11com1 74.77	Reunion ile de la Franch Franc	9.056
Sahrain IS) Dinar Salasric Islas Spo. Peseta	0.849		(T)(no) 44.71	Rhodosia	1 40
Bangladeen S. Taka	84.80	toelend is I. Krona	899.0		12m10.03
Berbados (S) Sabadas \$11	4.5465	India (S) Ind. Rupee	17,80 1,413,75	Romania., Leu	I I E WITE BUILD
Selgium B Franc	'icm, 02.90	Indonesia	1,415.75	Rwanda Rwanda Franc	203,25
	iffn: 65,00	free Irac Olose	0.6612	St. Christophar (S) E. Carillbean \$	: 6.10
Belize B S	4.5240	frieh Republic (k) Irieh £	1,0480	St. Helona, St. Helena 2	1.0
Bermuda (Si Eda 5	456.25	letael	80.30	St. Lucia E. Caribbean \$	6.to
Bhutan Incien Runae	2,2520 17,80	Italy Ura Ivory Coast C-F.A. Franc	1,811,25 453,25	St. Plerre C.F.A Franc St. Vincent (8) E. Caribbean \$	403.26
Bolivia Bolivian Peso	RE OR	IVORY COREL C.F.A. Franc	455,25	St. Vincent (8) E. Caribbean \$	6.10
Botswana (SI Pula	1.8700	Jemaica (5) Jamaica Dollar	4.0840	Safvador El Colon Samoa Amarican " U.S. \$	5.64 2.8820
Brit. Virgin islast61 U.S. \$	90,07	Jacon Yon	528,50	Samoa Amarican , U.S. &	1.811.26
Brit. Yirgin Bias(6) U.S. 3	2.2520	Jardan (S) Jordan Dinar	0.655	San Marino	72.88
Brunei (S) Srunei S	4.86875 1.9656	Kampuchea Riel	2.714.40	1 Saucii Arabia Rvai	7.55
Bulgaria Lev Burma Kyat Burundi Frana	15,9188	Kenya IS) Kenya Shiffing Kiribati Australian 0 Korea INth) Won	16.85	Senegal	453_26
Burundi Burundi Frana	198.B7	Kirtheti Australian 0	2.0970	Sayoholles S. Rupee	15.50 2.885
		Korea (Sth) Won	1.879(II) 1,084,18	Siarre Leone(8) Leone	4,86875
Cameroon Repub's C.F.A. France	450.20	Kuwait (Sth) Kuwait Dina	0.610	Singaporo (S) Singapore S Solomon Islands(S) Solomon Is. S	2.0470
Canada Canadian S Canary islanda Spanish Peseta	2.6440 149.40	I and Vin Bot In	904.50	Somali Rapublic Somali Shilling	(A)10.65
Cape Verde Isle Cape V. Escudo	82.60	Labanon	7,4480	Somali Rapublic Somali Shilling South Africa (8) Rand	1,8700
Cape Verde Isle Cape V. Escudo Coyman Islands (5) Cay. Is. S Cont. Af. Repub C.F.A. Franc Ched	1,8850	Lesotho S. African Rand	1,8700	South West African	1,8700
Cent. Ar. Repub C.F.A. France	458,25	I liberia	2.2620	Territories (5) S. A. Rand Spain Pesets	149.40
Chila C. Paso	455,25 (Bio 87,94	Libya Dinar Lieuntenstein Swiss France	0.6695 5.5585	Envelop north la	
China Ranminbl Yuan	8,8301	Liptembourg Lipt Franc	69,90	Spanish ports in North Africa Peseta	149.40
Colombia C. Peso	(F) 99.22			Sri Lanka (5) S. L. Rupea Sudan Ropublic, Sudan 2 &	34.50
Comoro letanda C.F.A. France	453,25	Macao Pataca	19.00	Sudan Ropublic, Sudan 2 &	4.0490
Congo (Braz'avilla) C.F.A. Franc Costa Rica	455.25 19.45	Madeira	112.05 488,25	Swaziland (5) Lijangeni	1,8700
Cuba Cuban Poso	1,8894	Malawi (8) Kwacha	1.750	Sweden S. Krona	9.54
Cuba	0.707	Malawi (8)	4.21276	Swedon S. Krona 6witzerland Swias Franc	5,8525
and the same of the same of	( (com) 11.45	Maldive Islands IS) Mal Rupes Mall Republic Mall Franc Malta /S)	8,8826 906,50	Syria Syria £	(A)9.8810
Czechoelovakis Koruna	n/c 88.78	Matte (5) Matters 5	0.765	Talwan New Talwan	! IP191.46
	/ (T)12.94	Martinions Local Franc	9.055		19.20
Denmark Danish Krone	12.08 575.00	Mauritania Ougulya :	90,90	Thailand Bahr	45.70
Dilbouts Fr. Dominica (5) E. Caribbean S	6.10	Mauritania Ougulya : Mauritius (5) M. Rupee Moxico Mexican Peso	17.10	Thailand Sahr Togo Republic G.F.A. Franc Tanga Islanda (S). Pa anga Trinidad (2) Trinidad & Tab' \$ Tunisia Tunisian Olnar	4.0595 2.0970
Dominican Repub Dominican Peso	2,2990	Miguelen O.F.A. Franc	455.25	Trinidad (2) Trinidad & Tab' \$	5,4290
		Manago Franch Franc	e.8895	Tunisia Tunislan Olnar	0.865
Equador Sucro	1 (P) 56.09	Mongolia Tunrik Monserrat E. Caribbean S.	(i)5.2680(II)	Turkey Calcos U.S. 8	106.33
Egypt Egyptien 5	IUI 1.58	Monserrat E. Caribbean S.	6.10	Turks & Calcos U.S. 5 Turalu, Australian 8	2.2620 2.0270
Equatoria i Guinea, Peseta	149.40	Morocco Dirham Mozambiqua Moz. Escudo	8.27 59.30		
Ethiopia Ethiopian Birr	(P) 4.6875			Uganda (St Uganda Shilling United States U.S. Dollar	16.20
Publicand Information to Walliam and I		Nauru Australian Oollar	8-0270		(cm)19.05
Falkland Islands (8 Falkland Is. & Fero Islands Danish Krona	19.08	Hepai Nepalese Rupae	27.15 4.2750	Uruguay Uruguay Peto	(fn)12.01
Fiji telands Fiji \$	1.8850	Notherlands Guilder NetherlandAntilles Antillian Oullder	4.0490	Utd. Arab Emirates U.A.E. Oirham	1 8.40
Finland Markka	8,515	trans.	146,80	U.S.S.R. Rouble Upper Volta	1.4254
France France France France France GF.A. France	9,065	Now Hebrides Franc.	2.0270	Opper voits G.F.A. France	455.25
French Culana	453,25	Naw Zealand (S) N. Z. Dollar	2,2785	Vatican	1,911.26
French Guiana Local Franc French Pacific Is., C.F.P. Franc	9.065	Nicar Parublic C. F. A. France	92,66 453,26		9,6800
	100'90	Niger Republic G. F. A. Franc	1,230122 (89)	Vietnam Dong	(714.60(1)
Gabon C.F.A. Franc	453,26	Nigeria (5)	11.10	Virgin lalanda U.S. U.S. Doljar	2,2520
Gabon	4.0	Oman Sul'ata of (9) Rial Omani	0.777	Western Samos (S) Samoan Tala	2.0150
Carmeny (East) Ostmork	3,853 5,965	Pakistan	22,03	Yomen Ryal	10.17
Garmany (West) Oautacho Mark	5,14	Panama	2,9820	Yugoslavie New Y Olnar	43.1229
Ghana /81 Codi Gibraitar (K) Olbraitar £	1.0	Panama	1,6830	Zaira Republic Zaire	4.510447
Grasca Orschma	26.1448		2 81.42	Zombie Kwacha	1.70

"That pert of the Franch community in Africa formarly Franch West Africa or Franch Equatorial Africa. † Rupess per pound. ‡ General rates of oil and from exports 95.00. "Rate is the transfer market (controlled). †† Rate is now based on 2 Serbades \$ to the doller. ‡‡ Now one official late. (U) Unified rate. Adolicable on all transactions except countries having a bileters' agreement with Egypt, and so are not members of IMF. (§) Based on gross rates against Russian rouble. • Incentive rate.

The March Issue

### "TECHNOLOGY IN BANKING"

- Electronic funds transfer—developments in the United States, the United Kingdom, France, Germany and Sweden. An examination—inter-bank: personal and corporate.
- Data processing—what is now on the market to improve banks' services to customers and internal management systems. Designing special packages for the banks.
- Communications—the extent to which new forms of telecommunications have affected business-money markets, forex, etc.
- Bank security—the impact of technology on bank security.
- The human aspect—the impact of new technology on bank staff, skills and career
- Implications for bank organisation and the structure of the industry and supervisory authorities. Does technology imply a loss of control of the banking system by the authorities?

For full information about advertising and further details of the editorial content, contact: Robert Piper or Christina Yeo at The Banker, Minster House, Arthur Street, London EC4R 9AX. 01-623 1211. Telex 8814734.

ABN CCCCCCAMAZCCAMAZCCAMAZCCAMAZCCAMAZCCAMAZCCAMAZCCAMACCAMACCAM	F.320; F.530; F.22.50; F.35; F.30; F.30; F.30; F.30; F.30; F.40; F.440; F.440;	183	420	12 15 45 25 15 4 10 25	9.70 9.50 8.30 1.90 0.70 0.50 	576   ]   ]	6,80 1,90 1,10	F.95.30 F.95.30 F.95.30 F.881 F.460
EK P HO C KLM C KLM C KLM C KLM P KLM P KLM P KLM P	\$50 F.22.50 F.70 F.80 F.300 F.100 F.70 F.80	8 0 10 21 10 3	3.20 0.20 0.10 1.50 9.50	5 16 9 26 10	0.70 4.50	24 5 10 4 - 9	2,60 7 3.60 8,20 9,50	F.21.70 F.70.80
NN C C C C C C C C C C C C C C C C C C	F 110 F.115, F.125 Fr.4500 Fr.5000 Fr.5000 F.20, F.20, F.20, F.20, F.20, F.20, F.20, F.20,	5 79 3 5 1 0	8.50 4 0.50 1100 700 800 800 800 1,60	22 81 11 18 3 20	4,40 2 660 200 1,90 0,60 0,30	4 11 - - 1 7 258 340	9,70 5,50 	F.119.40
PHI P RD C RD C RD C RD P RD P RD P UNI C UNI C	F.28 F.140 F.146 F.150 F.160 F.145 F.150 F.120 F.125	45 89 296 4 153 50 10	0.30 2,40 0.60 0.10 1,10 4,50 14,50 1,50	1 40 10 115 140 11 20	8.00 0.50 8.40 3.40 5.70 14 	20     8     0	4.60 12.30 3.50	F.145.50 "" "" F.113.50
BÁ C BÁ C BÁ C OXY C SLB C	\$40 \$45 \$50 \$50 \$100	16 4 47	15 23 <sub>4</sub> 04 <sub>6</sub>	19 0	712 2	4 - 20	12 	\$545a \$255a \$9414

TOTAL VOLUME IN CONTRACTS C=Call

**EUROPEAN OPTIONS EXCHANGE** 

Vol. | Last | Vol. | Last | Vol. | Last | Stock

BASE LE		NG	RA	TES		
B.N. Bank	7 %	# Gu	inness	Laho	n	. 17 % . 17 %
llied Irish Bank 1	7%	□ Ha	mbros	Bank		. 17 %
mro Bank 1	7%	E Hil	1 Sam	uel		. \$17 %
merican Express Bk. 1		C.	Hoare	July Cin.		_T17 46
lenry Ansbacher 1	7%	Ho	ngkong	& SI	hangha	1 17 % L 1719
P Bank Ltd 1	7%	Inc	dustrial	Bk (	of Scot	L 1719
rbuihnot Latham 1		Ke	VSET [	Illman	ID	. 17 %
ssociates Cap. Corp 1	7%	Ko	owsley	& Co	. Ltd	. 1819 . 17 % . 17 %
Sanco de Bilhao 1	7 %	Lic	oyds B	ank		. 17 %
Sank of Credit & Cmce. 1		Lo	ndon	Mercar	ıtile	. 17 % . 18 %
ank of Cyprus 1	7 %	Ed	ward h	lansoo	1 & C0	1. 18 4%
Sank of N.S.W 1	7 %	Mi	dland I	Bank		. 17 %
Sanque Belge Ltd 1	7 %	E Sai	muel 1	10ntag	u	. 17 %
Sanguo du Rhone ot de		1	rean (	irenfe	l}	. 17 %
la Tamise S.A I	F195	Na	tional	West	minste	r 17 %
Barclays Benk 1	7 %		ne <b>h</b> (	Genera	il Trus	t 17 %
remar Holdings Lid I	8 %	P.	S. Rei	son &	Co	1 17 %
Brit Bank of Mid. East 1		Ro	ssminsi	6r		. 1≀%
Brown Shipley 1		Ry	1. Bk. C	lanada	(Ldn	) 17 %
anada Perm't Trust . 1	7 %	Sc	hlesing	or Lin	uite <b>d</b>	. 17 %
ayzer Lid 1	7%	Ter-	C Cah	web		17 02
odar Holdings 1		Se	curity '	Trust (	Co. Ltd	18 % 19 % 17 % 17 % k 17 %
bartered Trust Ltd. 1	8 %	Sb	enlev	Trust		. 19 %
hartorhouse Japhot . 1	7%	Sta	brehne	Charte	ered	17 %
houlartons 1	70	Ť	ode De	n Raz	ok	17 0%
L. E. Costes 1		Ť	ngles !	Caving	g Banl	k 17 02
onsolidated Credits , 1		Tu	catioth	Соль	KEV RE	17 &
	7%	I to	Ited Be	nb of	Kirwoi	t 17 %
o-operative Bank*1						174%
orinthian Secs 1		347	ilicawa	A Trant	maw	15 0
he Cyprus Popular Bk. 1		77-	11161115	OZ GI	уць	. 17 %
uncan Lawrio 1						. 17 %
agil Trust 1	<u>7%</u>				ecabling	Houses
T. Trust Limited 1	7 %	≥ 7.c	mmittes.	·		4
irst Not. Fin. Corp 1	818	7-0	rey car posits 1	103118 51. W	1576.	1-month
irst Not. Secs. Ltd 1	8%	4 7	Con dos-	alsa co		£10,000
lobert Fraser 1	8%	§ /-0	g modes	15%	up to	25,000
ntony Gibbs 1	7%	15	% end	over £	25,000 1	57,%.
reyhound Guaranty . 1	7%	± Ce	il depos	its ove	r £1,000	15%.
rindlays Bank		5 Oa	mend de	Posite	15%.	

lat the second of the second o

el Ayiy ંં. સા 🗽 . lled compa 10 per ce i during a

eurrem & increase & o the coak 9941 10g an double t ાં devaluate nd during L ched 15% J£187m a p. pany prodeof potash . 1979, and 52 mat of this Ps farg 10 Sig.

Confe to 2 shipped, 🖢

har priese Clarsett.

in Thereig : dirideza e i istator ine med e nonus state umittled to E (Se sew store Ture add to

he

)n,

ons,

ires

Treasury Bills (13-week)...... Treasury Bills (26-week)...... GERMANY

8,45875

FRANCE Discount Rate Overnight Rate

MONEY RATES

## Beauty can be a mixed blessing · Bermuda

BY MICHAEL DIXON

Twentieth Century Fox Produc- Yale's Professor Madeline Heil- about £7,000 to £8,000. tions, many people must have shared a certain thought. It is case of Ms Lansing than were that, to an important degree, Ms the studies of the past. These Lansing's face has proved her tended, when considering fortune in her managerial, as women, to confine themselves well as in her previous model- to careers of non-managerial

cosmetic surgery before apply- factor associated with career ing for their next promntion progress.

But before they do so, they had The Yale experiment rethat Sherry Lansing's appear- noo-managerial posts. ance more bampered than alded ber promotion to top manage studying administrative science

No doubt most personnel professionals helieve that their wise of job-caodidates. This type people bolding bigh positions in business and elsewhere, But research studies beve iodicated entailing the maintenance of that physical attractiveness does bave a positive association with was a managerial post requiring the maintenance of who were attractive were e masculine public image, recommended far more often although handsoms men will have en edge, feminine

man and Lois Saruwatari is, however, more apposite to the kinds. An example is the large-scale study of female secretarial It would not surprise me if and clerical staff in the United the pictures have inspired some Stetes some time ago, which ambitious Jobs Column readers found that size of bust was the to think of undergoing a bit of most prominent, if not the only,

end in many cases intending to enter personnel management, professionals helieve that their were given descriptions of two judgmeots are oot materially jobs. Both were in insurance, affected by the beanty or other and of the "back room" type involving little or no contact with customers whom belief mey perhaps seem sup-ported by e swift, subjective the assessors might think review of the features of most susceptible to physical eppeal. the assessors might think One of the jobs, with e salary candidates' physical appearance range of roughly £3,000 to In the non-managerial post. the fect remains that several £4,000, was of the clerical kind

The recent experiment hy them, and had a salary range of managerial job.

The assessors were also given descriptions of recent gravates who were said to be candidates. for one or other of the jobs on offer. The candidates' application forms and so on showed them to have equally suitable qualifications. But half of them were men, and half were women. And photographs attached to the applications showed balf of the men and half of the women to be physically attractive, whereas the others were nothing to write

home about, at all. The 45 assessors - who had hetter take note of the evidence quired the 23 men and 25 been told merely that they were that beauty is not always a women whom it used as "rehridge to the boardroom. Cruitment managers" to assess taking part in a study of the results of a recent females and males alike in decision-making in personnel terms of their suitability for managerial work, as well as for candidate in detail and recommanded to the company of their suitability for managerial work, as well as for candidate in detail and recommanded to the company of their suitability for managerial work, as well as for candidate in detail and recommanded the company of their suitability for managerial work, as well as for candidate in detail and recommanded their suitability for managerial work, as well as for candidate in detail and recommanded the company of th mended which person should be appointed to the job in question, and at what starting salary.
When the recommendations

were reviewed, it was found that the assessors had been entirely free from sex discrimmen and women bad been recommended with equal frequency. But the results showed a distinct bias according to the caodidates' physical areas.

In the case of jobs which are generally considered suitable for both women and men, the pretty or the handsome will caodidates' physical areas. both the men and the women

erence in the opposite direction, Indeed, the unattractive women were not only recommended men have little to lose and surance, including the investmore frequently than were
their recommended much to gain in organisational ment of premiums. Some overtheir more appealing sisters, but life by being attracted also awarded higher starting Yale researchers say. salaries.

Commenting on this result in the American journal Organizational Behavior and Human Performance, Professors Heilman and Saruwatari refer that attractive women are generally regarded as being mnre feminine than their less comely counterparts. Similarly, handsome men are perceived as being more masculine.

Where women are concerned, the Yale researchers argue, the tendency will be for those who appear attractively feminine to have an advantage when the job for which they are applying is mainly essociated with feminine characteristics.

But in the managerial johs

which bave traditionally bed

trast to women for whom various members of the team. the managerial post, the attractiveness can act to limit Another important duty will be assessors showed a definite prefties for obtaining positions of managers in the client concerns responsibility and authority, on questions of policy for inlife by being attractive," the seas travel, particularly in the

"This finding sadly implies appear as unattractive and as masculine as possible if they are to succeed in advancing their careers by moving into to previnus research findings powerful organisational posi-

#### Insurance

NOW to Bermuda where an extravert accountant with copious, first-hand knowledge of the insurance business is wanted by a subsidiary of the big Uulted Statea insurancebroking group, Johnson and Higgins. The recruit is being sought by Barry Latchford, nf Lloyd Chapman Associates, to lead a team of six to eight account executives, each furnishing financial and appropriete managerial advice and services to the subsidiary's clients. Much of the work is

CONFRONTED BY last week's career success among men as the holder to recognise problems and to act to overcome plctures of the beautiful Sherry well as women.

The holder to recognise probsome male candidates for the handicap.

The holder to recognise probsome male candidates for the handicap.

The holder to recognise probsome male candidates for the handicap. finance and administration for "It thus appears that, in con-managing the work of the

> U.S., will be required. The preference is for a that women should strive to qualified accountant, probably aged in the mid-30s, who has risen to a financial management position and also worked long enough-at least three years, is Mr. Latchford's specification—in nr around insurance to know about the world-wide workings of the business and about the levels of risk entailed. Appreciation of how tax regulations affect insurance funds, particularly in the U.S., would be

definitely helpful. "Starting salary is not going to be a problem." Mr. Latchford purrs. My estimate is that the figure will be US\$ 30,000 or a bit more, and tax-free. I'm inld that life in Bermuda is generally about one-third again as expensive as in the UK, which would make—say—\$25,000 there the equivalent of about £9,000 net

Inquiries to Barry Latchford concerned with "captive" companies bendling the insurance affairs of their parent group.

As senior eccount executive, the newcomer will be respoo-

### INVESTMENT **ADMINISTRATOR**

Westminster £9,100-£10,000

The Secretary/Treasurer of London Transport's Pension Fund Trustee Companies is seeking a senior assistant to help administer an investment portfolio of \$200m.

The main duties include lialsing with stockmarket and property investment managers and with associated professional offices; managing the Trustees office and reporting to the Directors and controlling the tund's short-

The successful applicant will have practical experience of stockmarket administration and will preferably also have knowledge of the financial and legal aspects of property investment or money market management.

if you have this experience and are professionally qualified in accountancy, company secretaryship or law this could be the post for you. Career prospects ere good, and among other benefits we offer free travel on London Transport plus valuable concessions on British Rail.

For further details and an application form phone Deborah Kelly on 01-222 5600 extension 633, or write to her al Staff Appointments, London Transport, 55 Broadway, London SWIH 9BD quoting ref 418C.

O LONDON TRANSPORT

#### LEADING INDUSTRIALIST with multiple interests seeks for Mayfair office SECRETARY/P.A.

Fluent English/German and best references are required. Highest pay and excellent working conditions are offered Please reply to: Box A7002, Financial Times 10 Connon Street, EC4P 4BY

## GROUP FINANCIAL

We are advising this British Organisation which is the lergest of its kind. in the world with 60,000 employees end total cash flow of some £1200m in revenue, expense and capital spend. Reorgenisation now requires the eppointment of a Group Financial Controller to be responsible to the Group Finance Director, for whom he/she will deputise, end to be based in central London.

The Controller will maintain ell financial eccounts and budgets and will continuously edvise nn the performance of the businesses, on the implications nf tax legislation and nn the development of financial policies end procedures. Ha or sha will supervise a staff of 150 through four section heads.

The organisation enjoys a high reputation for effective control and candidates will have had experience in computer based financial administration and accounting at a senior level in a lerge prenisation. Applicants will have demonstrated personal stature as effective innovators at the most senior levels. They will be qualified (ACA, ACCA, ACMA or IPFA). It is unlikely that sufficient experience will have been geined under 35: career prospects, which include the possibility of movement into aperating management, indicate candidates under 45. The total ramuneration will attract the most able.

Please sand full details, including present salary, to Peter Raynes, quoting reference 1060, or if you would prefer to complete a form, telaphone Guildford (0483) 67781 (24 hour service).

### PETER COUNSEL limited

Executive Recruitment

The White House, 8 High Street, Guildford, Surrey GU2 5AJ

#### RECRUITMENT CONSULTANTS

35 New Broad Street, London EC2M 1NH Tel: 01-588 3588 or 01-588 3576 Telex No.887374

An Interesting and important appointment—opportunity to advance to a subsidiary Board appointment in 3-5 years.



### INVESTMENT ANALYST

£12,000+ + CAR

WELL ESTABLISHED EXPANDING INVESTMENT TRUST

We invite applications from candidates aged 24-35 who have acquired a minimum of 3 years practical investment research experience in either a merchant bank, brokers or an investment advisory firm. The successful candidate will be directly responsible to the Executive Director for conducting financial analysis into companies, both U.K. and overseas, in which the trust is invested, as well as investigations into a wide range of equity possibilities. The ability to operate accurately under pressure and to make a significant contribution through using financial flair and the capacity for original thought are prerequisites of this position. Initial remuneration negotiable £12,000+. +car, non-contributory pension, free life assurance, season ticket loan, free family B.U.P.A. Applications in strict confidence under reference IA3961/FT, to the Managing Director:

CAMPBELL-JOHNSTON ASSOCIATES (MANAGEMENT RECRUITMENT CONSULTANTS) LIMITED, 35 NEW BROAD STREET, LONDON EC2M INH. TELEPHONE: 01-588 3588 or 01-588 3576. TELEX: 887374

### **APPOINTMENTS ADVERTISING**

**RATE £19.50** PER SINGLE COLUMN CENTIMETRE

£6,000

#### accountancy appointments

£9,000

newly formed receivership practice. Applications are invited from men. nen who have demonstrably successful experience in such work, It is likely that they occupy positions as personal assistants to the insolvency partner in a professional firm.

It is essential that the successful candidate has a thorough knowledge of the legal, practical and statutory detail involved; is capable of clear incisive thinking; and can take decisions without reference.

This is an unusually good opportunity to become part of a new practice that is backed by two outstanding firms who are determined to apply their joint expertise to this kind of work.

Location is Northern England. A salary well into five figures and excellent pension and life assurance benefits are offered. Assistance will be given towards relocation expenses if necessary. Please apply in confidence with full CV quoting ref: 106/D

To: Mr. G. Austin Davis, Managing Director, Bamford Business Services Ltd., Bamford, Sheffield S30 2ALL

Financial Controller

(BOARD PROSPECTS)

c. £9,000

A young, possibly newly qualified, accountant is

required by a successful private group of com-

panies. The person we are seeking must be a self

starter who is able to work unsupervised and

apply a great deal of initiative. Under the guidance

of the Financial Director be/she will be expected

to quickly develop into an executive role within

If this opportunity appeals to you please write

giving full particulars of yourself and your

recent experience to Box G.5079, Financial Times,

10 Cannon Street, EC4P 4BY.

the organisation.

Bamford Business Services Limited

### **ACCOUNTS**

£5/7,000 + car, negotiable

MANAGEMENT

A well-established (23 years) and growing company (£1/2,000,000 t/o) of food importers conveniently based in SMUTH WOOFMRO requires a person to be totally responsible for all accounts duties up to trial balance with particular working abilities regarding credit control, atock control, tax law, etc. Current systems are manual but a change to computers within 12 months is envisaged.

A qualified person would be pre-ferred. secure position with sibilities for advanca-

Ask for Managing Director

OSE BATALLER & CO. LYD.

#### HIGHLAND LEASING LIMITED POTTERS BAR REQUIRE TWO ACCOUNTANTS

We are currently seeking e young accountant, either newly qualified or approaching the final stages of qualification; to work in this international soft drinks company located in

The successful applicant will be lovelyed in the preparation

of moothly management eccounts, budgets, cash flow and sales forecasts for a number of overseas companies. He/sbe will report to the Area Financial Manager and will work with him

This is a very good opportunity to start an international accounting career.

Benefits include LVs, BUPA contributory Pension Scheme

on a wide range of international tracking problems.

c. £7,500 + Company Car

Subsidised Mortgage after 1 year Generous relocation allowances if applicable We are a leading agricultural finance company (a subsidiary

of Finance for Industry) and our growth rate has necessitated the creation of these two senior appointments. If you are an experienced accountant (qualified or part qualified), preferably with a background in finance or backing, you would be interested in the challenge the company offers in return for a very substantial benefits package and excellent future prospects.

The company's stage of development makes it preferable to discuss the responsibilities envisaged for each post et an informal interview.

If you would like more information please telephone Anne Sinclair on 0707 43381 or address a curriculum vitae to:

The Personnel Manager Highland Leasing Limited 230, High Street, Potters Bar, Herts.

### **Economist-**City Location

Abbey Life Investment Services, a division of one of the UK's most progressive assurance companies wishes to appoint an Economist. The division is situated at St. Paul's Churchyard in the City, and has investment management responsibility for assets currently valued at £900 million.

The prime duties of the Economist will be to provide the members of the Division with professional advice on prospective economic and financial developments.

In order to do this, the person appointed will be required to produce full economic forecasts and material for the U.K. Investment Markets and, in addition, will be required to monitor, with appropriate appraisals, the U.S., Japanese and three European economies.

For this important position, candidates, male or female, must be able to communicate effectively at all levels and demonstrate a maturity of judgement based on sound business experience. A good Economics Degree is considered essential.

The rewards are substantial and negotiable dependent on your experience. A comprehensive range of ringe benefits include a noncontributory pension, free life assurance, mortgage subsidy scheme and travel warrant, both after service requirements.

If your qualifications and potential match our requirements, please apply, in confidence, enclosing Curriculum Vitae to:-



J. A. Gough, Recruitment Manager, Abbey Life Assurance Company Limited, 80 Haldenhurst Road, **BOURNEMOUTH BH8 8AL** 

### Hoggett Bowers

BIRMINGHAM, CARDIFF, GLASGOW, LEEDS, LONDON, MANCHESTER, NEWCASTLE 3

### Young Group Accountant

South Herts, c £9,000+banking fringe benefits

This is a new position with the Holding Company of a highly successful British based European group of companies in the computer service industry. Turnover has doubled in £6½m in 2 years and considerable further growth is envisaged. You will report to the Financial Controller and have a broad range of responsibilities plus the opportunity for involvement in acquisitions and investigations. Some overseas travel will be involved. You should be young, qualified and self motivated with the ability to establish sound working relationships with line management. Career prospects are excellent and the fringe benefits extremely attractive.

E. Sutton, Ref: 17107/FT. Male or female candidates should telephone in confidence for a Personal History Form to: LONDON: 81-734 6852, Sutherland House, 5/6 Argyll Street, W1E 6EZ,

Accountant YOUNG MANAGEMENT Experienced in Receivership/Insolvency Work ACCOUNTANT INTERNATIONAL (Newly Qualified or Finalist) A qualified accountant is needed to assume the leadership of our client's c. £7,500 p.a.

attractive premises in the West End.

Please write with c.v. to:

1-11 Hay Hill London WIX 7LF

Area Financial Manager Canada Dry International Inc.

## Hoggett Bowers Executive Selection Consultants

### Finance Director

Surrey, c£12,000+car

ميان الربع جان الربع

le to her

1510

LIST

re;

AN

+ CAR

Tesearch

Person-

att. grusst

tan frei

. .

: "

5

468

Tract G

A leading, privately owned educational services company, annual turnover £1,250,000 wishes to strengthen its executive team by the appointment of a Finance Director. In addition to assuming full control of the accounting and office administration functions the successful candidate will be expected to make a major contribution to the formulation of business strategies.

Applicants will be qualified, either ACA or ACCA, ideally aged 35 + and with previous experience in a service industry. They must be self-motivated and adaptable with an enquiring mind and an innovative approach. Career prospects offer the opportunity of general management.

R. Sutton, Ref. 17109/FT; Male or female candidates should telephone in confidence for a Personal History Form to: LONDON: 01-734 6852, Sutherland House, 5/6 Argyll Street, W1E 6EZ.

### FINANCIAL CONTROLLER

Am expanding Private Group of Insurance Brokers require a Chartered Accountant to act as Financial Controller based

in the Uxbridge area. This new post involves control and development of computerised accounting procedures, the presentation of monthly and annual accounts, financial control of branch operations and other accounting, secretarial and administrative functions.

The commencing salary envisaged is £8,500, a company car will be provided and other benefits are negotiable.

Please write with full personal details and cv to: Box A7004, Financial Times, 10 Cannon Street, EC4P 4BY

#### COMPANY NOTICES

NOTICE TO BONDHOLDERS

PROVINCE OF NEWFOUNDLAND 30,000,000 CANADIAN DOLLARS 101% 1975/1985

Pursuent to the terms and conditions of the loan, notice is hereby given to Bondholders thet, doring the twelve-month period from December 15, 1978 to December 14, 1979, Can. 5 1,200,000 of such Bonds were purchased in satisfaction of the Purchase Fund. Amount outstanding: Can, \$.28,800,000.

PROVINCE OF NEWFOUNDLAND

## 

IND Beak Luxembourg S.A. A rd Royal, Luxembourg CHASE MANHATTAN BANK The said of the sa

### OFFICES

GROSVENOR OFFICE SUITES Luxury office facilities avelloble in Grosvanor Sq. 10 offices individually et with sec., telex, photo copying witchboard, porter & receptionist. Very high, siendard

TEL: 01-491 7024 TELEX: 27126

### TRAVEL

PREVA, Basic, Zorich, and Berne, wides range of chesp flights from 4 UK air sprzs. Brochure FALCON 21-351, Z191

### **PUBLIC NOTICES**

### **EUROBONDS**

The Association of International Bond Geelers Questions and Yields appears monthly in the Financial Times.

it will be published in an aight-page format on the following detes:

1980 January 14

February 11 March 10 April 14 May 12

There is a limited emount of edvertieing opace ovaliable each month: if your company is interested in taking advantage of this offer please contact;

June 11

The Financial Advertising Department

on 01-248 8000 Ext. 424 or 389



international Trading Group, shares quoted in London, wishes to expand its existing freight forwarding business by ecquiring a well-established surface end/or air freight forwarder.

FREIGHT FORWARDER REQUIRED

Please address your enquiries to:-John Redman KELLEY REDMAN ASSOCIATES LIMITED

148 High Street, Solihuil, West Midlands

### **GREDIT & FINANCE SERVICES FOR EXPORTERS**

Obtain details of our

St. Anne's College, Oxford

St. Anne's College, Oxford
Applications are invited for the
post of Treasurer and Estates
Burser. This is the College's senior
administrative poet and is open to
both men and women. The Estates
Burser is jo particular responsible
for finance and major werk on
buildings.
Further perticulem obtainable from
the Principal. Applications to mech
her by 4 February, 1980.

Factoring and Invoice ARBUTHNOT FACTORS LTD.

Discounting Services Contact: S.E. Flace, Hasting TN343DG

Contact: S.E. Flace, Hasting TN343DG

London 01-638 1301.

Manchester 061-236 9777.

BUSINESS & INVESTMENT OPPORTUNITIES LOCANA LEASING LTD.

Leasing facilities in respect of plant, machinery and equipment in the price rengo £5,000-£50,000. Chancery Lane, London, WC2 01-831 6936

### COMPANY

taxation; company administration, etc.

3 Quai du Mont Blanc Geneve Tel. 31-16-03 Telex 23605

DISTRIBUTORS WANTED For new office equipment product that will increase efficiency in almost every office. Obstributors niready saling to stationers and office equipment retailers, or companies setting direct to industry and commerce through niarge sales some or catalogue, and grounded to have in bulk quantities preferred.

any type of modern . OCEAN-GOING VESSEL then ship management subsidiery of currently antenna subsidiery of currently antenna subsidiery of currently antenna subsidiery of consideration as their own under sither British or foreign flee.

Write Box G3050, Financial Times 10 Cennon Street, ECAP 48Y

READY MADE 195 COMPANY SEARCHES EXPRESS CO. REGISTRATIONS LTD. Epworth House 25-36 City Road, London, EC1 01-828 5434/5, 7361, 9936

INVESTMENT GROUP COMPANIES HAVING LOSSES OF £500,000

WANTED. Low pricet mall order goods for American market not previously introduced. Write Boy G.5100. Finan-cial Times. 10. Canoon Street. EC4P 45Y. EXPERTS on factoring and invoke dis-counting. Industrial Figure Consul-tants Ltd. 42/45. New Broad Street, London EC2M 10Y.

NEW MARKETIPRODUCTS? For details of monthly list of oversess firms seeking to trade with U.K., write Dest. F., 15. Schoop Lane, Lendon, N.W.7.



### BUSINESS AND INVESTMENT OPPORTUNITIES

READERS ARE RECOMMENDED TO TAKE APPROPRIATE PROFESSIONAL ADVICE BEFORE ENTERING INTO COMMITMENTS

### SOLE DISTRIBUTOR IMPORTER WANTED

We are seeking a distributor with the necessary financial and manpower resources to sell aidek storage halls in the UK market, or part of it.

aldek storage halls are used by a large number of customers in Europe, the Middle East and Africa, mainly within the building and contracting industries. Further, aldek halls are used by other industries for storage of materials, as workshops,

aldek halls are available in 8 standard widths from 5 to 25 metres and in any lengths. aldek halls are easily erected

(100 m<sup>2</sup> in 20 manhours) and are easy to dismount and re-locate. :

aldek halls consist of a hot galvanized steel tube construction with covering made of PVC-coated

aldek halls are calculated to withstand Scandinavian storm and snow conditions. Please apply with information about present activities to



aldek a-s Thorslandsvej 7 DK-5100 Odense C Denmark Phone +459112233 Telex 59912 aldek



#### ATTENTION

### CORPORATE AND PERSONAL LESSORS

Are you getting lower yields than you could enjoy?

Are you paying your broker higher commission rates than we charge?

Are you in any way dissatisfied with the service you get? SOLUTION: For full details of our competitive and efficient services just write your name on a letterheading and post to me TODAY.

Managing Director, Dept.FAF, A.C. Leasing Ltd., Tricom House, Five Ways, Birmingham, B16 8TP (We regret no telephone enquiries can be accepted)

A NEW SOURCE OF PRIVATE FUNDING DEVELOPERS AND BUILDING COMPANIES

Readily Available Finance for Site Acquisition and/or Construction

well-secured quality commercial propositions considered (Including schemes in progress) Bank Rate plus 4% 1 Low interest and participation Sell Site but retain Bollding Contract
Partnership Schemes

£30,000-£1,000,000 available

Strictly Principals Only Reply in confidence to Box G5097: Financial Times, 10 Cannon Street, EC4P 48Y

### Thoughts for increased Personal Power

Order your copy today -- It's FREE! Success Motivation International is a mutil-million dollar publicly held "Corporation in Waco," Texas, dedicated to motivating people to their full potential. Our success motivation and goal-setting programmes and tapes are seld in 52 countries. Write to us TODAY and we will send you information describing an axciting business opportunity.

Achieve SUCCESS by selling — SUCCESS
Write: LEADERSHIP DYNAMICS LTD., P.O. Box 53, Edgware, Middlesex

ENSURE YOUR BUSINESS
SURVIVES THE '80S
FOURFOLD SECORITIES LIMITED
WILL BE PLEASED TO ASSIST
YOU BY:
Analysing and preparing applications for finance
Secking out sources of funds
Advice and assistance with administration and financial management
Assist with mentoring company's
progress particularly relating to
management and production
Assistance with acquisitions,
mergers, re-organisation and business sain
For further information telephones
01-030 3779 or write for our
brochum to Fourfold Securities
Limited: Westcombe House, 56/58.
Whitcomb Street, London, W.C.2.

! PROFITS !! for OEM's in Europe SUCCEED in the 80's with PROVEN skills in MARKETING

Write Box G5089, Financial Times 10 Cannon Street, EC4, 461

YOUNG ... AVIATION COMPANY

equires further venture capital

for continuation of expansion programmo. Write Box G5067,

### 10 Cannon Street, EC4P 4BY

GOLD SOVEREIGNS AND KRUGERRANDS bought and nold in strictest confidence. Also Helf and Full Sovereigns wanted, minimum £80 each paid, il unmarked (pre-war) £75 paid. SHAW CAVENDISH & CO.

MIDDLE EASTERN and Pan Guif advertising MIDDLE EASTERN and Pan Gulf advertising consultants—national advertising Middle Satt. 01-736 0932.

PLASTICS. We are interested in manufacturing consumer itoms in Kenya and Tanzania under licente from British manufacturers. Director of Sumaria industries Ltd., Nairobi, is in London up to end of January at 30. Fleetside, West Molesey, Surrey, Venture Capital to small businesses. Investors or entrepreneurs Riog 0.272 3.7222.

ET A WELK FOR EC2 address combined with phone messages and telex under such process messages and telex under such process messages and telex under such present pressure Message Minders International, 01-626 0898, Telex 8811725.

We have blanning permission for the holidings to be executed at Welf Rd. Sw.19. In the will be 17 worken to the superior of th

COMPANY

LOANS For The Small to

Madium Siza Business.

£5,000.00 To £250,000.00. Secured or visecured for any valid capital need. Leasing facilities are also available.

Sage Capital Ltd. 170/173

Tel. 01-629 7323

WE ARE INTERESTED TO

Stock Lose of general merchandise items like cosmetics, help brushes, techsoom, knives and other general lams. Interested exporters mey kindly write to us.

9. A. S. RAHMAN

Talex: 475 Dubai, UAE

Talex: 47211 SATAR EM

FOR LAND DEVELOPERS

IMPORT FROM EUROPE.

TAX-FREE COMPANIES
Panama, Liberia, Hong Kong,
Neth. Antilies, Cayman, B.V.
Islands, Jersey, UK.
Formed by experts, feet, private,
inexpensive, Trusts Monlines, Menregement, Business Contacts, Ship
Registration, Office eccommodation,
Finance computer services,
MBE (164) International Business
Centre, 9 Wostminster Palece Gdns.
Artillery Row, London, SW;
Call (01) 222-4667

### COMPUTER BUREAU Specialist bureau 1/0 £200,000 + part of small group, wishas to sequire of marge with similar sized bursefuls) with view primerity of ntranghaing operational base. Preferred location-central Location or Southern suburies.

Reply in confidence to Box G5102 Financial Times 10 Cannon Street, EC4P 4BY

### BUSINESS AND INVESTMENT **OPPORTUNITIES**

Appear every Tuesday and Thursday, rate £23 per single column cm.

For more information on rates, sizes and space availability, contact: JOHN-WISBY on 01-248 5161



### LIMITED

Permanent and long term capital for the successful private company.

Also a wide range of banking services, including:-Selective finance for property development Commercial and industrial loans Bill discounting Acceptance credits Leasing

For further information please telephone 01-606 6474 or write to Barrington House, Gresham Street, LONDON EC2V 7HE.

### Cash Voucher



### INVOICES

Cash flow problems? Then cash this! Need Cash Now? You've got it right there on your books! Confidential Invoice Discounting Ltd gives you 75% cash against invoices.—money you can put to work today. Our invoice discounting system is entirely confidential. Your clients remain totally unaware of its existence. For the full facts post this voncher now or

phone us direct. Confidential Invoice Discounting Ltd.
Chors House, New England Road, Brighton, Sussex RAI 4GX:
Telephone: Brighton (0273) 21211. Telep: 87883.
Also Birmingham, Cardiff, Leeds, London, Manchester.
A subsidiary of International Factors Limited.

#### We have developed a first class large-range of car care products, outstanding in quality and performance second to none

We are seeking partners in every country throughout the world to purchase the know how, design, manufacturing and marketing rights. This is a very high-profit item, the investment for the machinery is very low. Raw materials needed are available in most countries. Manufacturing training will be given in Germany, Great Britain or direct in the country where production will be set up. Would suit company already-engaged in the automobile aftermarket or individuals with marketing experience.

Plèque write to Box G5104. Please write to Box G5104

Financial Times, 10 Cannon Street, EC4P 4BY

#### EXCEPTIONAL OPPORTUNITIES AVAILABLE TO DISTRIBUTORS OF HOME/FACTORY HEATING OILS

Concerned about rising fuel costs cutting your sales? Losing out to Gas and Electricity installations? Stop worthing now by becoming an Exclusive Stockist- of our sensetions fuel. ADDITIVE developed over 23 years of ocientific research. Test proven by major submittee throughout the country with resulting savings of up to 25% on cost. Featured on television and injused over by the Press. The response from the public/Andustry has been injused over by the Press. The response from the public/Andustry has been overwhalming. In consequence we are seaking a himited number of overwhalming. In consequence we are seaking as himited number of DISTRIBUTORS to hendle our product on an Exclusive Basis. Those selected will get full company backing plus the benefit of selevision and national Press advertising.

Please write in the first instance to:

FUEL ECONOMY MARKETING (INTERNATIONAL) 10 White Herse Street, Mayfair, London, W1 Telephone: 01-629 7904

### PRESTIGIOUS INTERNATIONAL

### MANAGEMENT CONSULTING GROUP

With large client base and offices in 16 countries worldwide seeking as around its operations by acquiring whole or major shareholding in established UK Consultancies. Interests cover all fields of consulting services in particular management recruitment, agriculture, computer technology and marketing,

Replies In strictest confidence to Box G5103 Financial Times, 10 Cannon Street, EC4P 4BY

Full Service is our Business Law and Taxation Mailbox, telephone and

telex services Translations and secretarial • Formation, domicilization and administration of fields

and foreign companies Full confidence & discretion assured BUSINESS ADVISORY SERVICES 3 rue Pierre-Fatio, 12004 Geneva Tel: 36 05 40 - Telex: 23342

SMALL COMPANY WANTS

of blo brother. Majority holding to be given up is recurs. Established sariy 1860s. Factory 30 miles north oil aligningham. Own branded products sold on home and expert markets. Enormous potential. Previous good record of profetability every year spolled by ex-managers. Impg. their own pockets.

Write Box G.5101, Financial Times, 10, Cannon Street, ECAP-42Y

RESOURCES AVAILABLE nent 'evellable matagement' at load or problem times. Specialists in company turnaround, rading negotiations and corporate

inquirles via Box G.5096, Financial Times, 10, Cannon Street, ECAP 48%, will all be admontaged personally. Confidentiality speramend.

CARIBBEAN TAX SHELTER Masi 85 Swedish 6-barb Cruising Yecht on charter, beed Tortola, BVI. 2 years at 1724 p.a. An eppreciating asset proviping 100% 1st year Capital Allowance against all other income — and tax-free Caribbeen holidays.

£30,000 Tel: Camberley (0276) 21514

### PRIVATE COMPANY

OFFSHORE COMPANY

**FORMATIONS** 

with a difference. Export taxation advice with Company tailored to give best ndvantage: followed by NOMINGE Service and Registered Office (self-like Service and Registered Office (self-like Service and Registered Office (self-like Service and Carlobean Manager 1). Brank Service Manager 1. (1) Brank Service Manager 1. (1) Brank Service Manager 1. (1) Man. Channel Islands, Gibratta and Carlobean Service Manager 1. (1) Write or telaphone for further dotable.

STRAND MANAGERS SERVICES LIMITED

2 Goldle Terrace, Upper Church Street, Desglas, Isle of Man Telechone Douglas (0624) 22435, Tolex 828241

After hours and weekends 0824 2555

INVEST IN DM

West German Company

seeks capical

High rate of interest Bank normal usage

German notary as trustee

Write Box G5098, Financial Times 10 Cannon Street, EC4P 4BY.

engoged in commercial vehicles and car hire with current year's profits in access of £100,000 would well-come discussions with a Public Company with a view to sailing a majority stock. Young and expensived management will remain to expend the Company.

Principals only please toply to:

Box G5084, Finencial Times
10 Cennon Street, EC4P 4BY

#### IBM ELECTRIC **TYPEWRITERS** Fectory reconditioned and

Fectory reconditioned and gearanteed, by IBM Buy, sove up to 30% Leese 3 years from under £5 weekly. Rent from £28 per month

Tel: 01-64) 2365



LEGAL NOTICES

No. 003457 of 1979 In the HEGH COURT OF JUSTICE Chencary Division. In the Matter of YELVERTON INVESTMENTS LIMITED and in the Matter of The Companies Act 1948.

NOTICE IS HEREBY GIVEN that the Order of the High Court of Justice (Chencary Division) dated 17th day of Decimber 1979 confirming the reduction of the capital of the Above-hamed Company from 1900,000 to 197,000 and the Minuta applicable by the Court showing with respect to the capital of the Company as altered the several particulars required by the apove-mentioned Act were registered by the Register of Companies on 20th day of December 1973.

Dated this 3rd day of January 1980.

JANNERS,

Opportunities Scheme.

MANAGEMENT COURSES

WE CAN HELP YOU START YOUR OWN

**BUSINESS** 

School, beginning 21st April 1960, under TOPO, the Tradules

test it, progress it and develop it as a private enterprise then

this course offers you a unique opportunity of expert guidance

Business School will explore the problems of setting up your

ment of a feasibility study for your project to be conducted 'on location' with necessary back-up of financial or marketing

Finance. You will receive a TOPS tax-free training allowance and an individually negotiated budget for expenses

You need to show your project is a wholly realistic

Residential and tutorial costs will also be met by TOPS.

Would it suit you? You need to show experience in the

Beyond that, personal commitment and ability is more

You must be 19 or over, and there is no upper age limit.

Apply now, Only sixteen students can be accepted for

Manpower Services Commission, Training Services Division,

Closing date for applications is 11th February 1980.

IPS Training Courses will help you solve your cash problems.

ts from:
The Institute of Purchasing and Supply;
The Institute of Purchasing and Supply;
IPS House, High Street, Ascot, Berkshire SL5 7HU.
Telephone: Ascot (0990) 23711. Contact: Mrs. Ann Hougton

Stock Management Records and Systems Basic Storakeeping and other related subjects.

Programme ...

new business, and develop the skills you need to make the

most of your business opportunities.

during your feasibility study.

business proposition.

Telephone: 01-836 0132.

enterprise that you wish to develop.

this course so entry is competitive.

Control your Stock-

Frequent courses are offered in

Control your Business

Stores Management Computers in Stock Control

important than formal qualifications:

For more information contact Jane Lee,

District Office, 180 High Holborn, London WC1V 7AT.

If you have a viable business idea and you would like to

Course objective. This intensive course at the London

The major part of the pregramme will be the develop-

The II week Business Course at the London Business

### 22 Upper Brook.Street. Solicitors for the said Company.

### SWISS

We offer a complete confidential business service, specialising in

Leeds 0532444578 Birmingham 021-4547962.

Promotel SA Dept. Cofi

Write Box G.3094, Financial Times. 10, Cannon Street, EC4P 48Y.

If you Own or are Purchasing

#### LIMITED COMPANIES FORMED BY EXPERTS

FOR £85 INCLUSIVE

WOULD LIKE TO ACQUIRE TRADING OR CAPITAL OR MORE

Write Box G5095, Financial Times 10 Cannon Street, EC4P 48Y





Jen. Jen. Jan. Dec. High Low 51,17,60,34,60,59,51,96 62.88 53.86 (27/5)

MONTREAL

1,869 1,254 304 311

NEW YORK    The part	28	WORLD STO
New York	Companies and Markets	t Jan Liah
Control   Cont	Stock	Sec.
## PAZ-Aktion (61/12/68) ## PAZ-Aktion (61/12/	Campbell Red L. Campbell Sout. 3014 3014 3014 3014 3014 3014 3014 3014	## 25   25   25   25   25   25   25   25
Jen. Jan. Jan. Dec. Dec. Dec. Dec. Dec. Dec. Dec. Dec	#Day'e high 855,55 fow 212,05  Ind. div. yield 2   Dec. 25   Oec. 81   Oec. 14   Year ago (approx)  5.05   6.03   6.00   6.00  STANOARD AND POORS	FAZ-Aktien (61/1263) Commorzbank(Dec.1968 702.3 701.50 895.5 708.0 895.69 (16/1/78) 895.5 (16/
## Property   119,52   117,81   118,41   121,02   120,95   121,04   124,43   187,95   134,43   187,95	Jan.   Jan.	Tokyo New \$E (4/1/65) 458,24 458,80 (c) (c) 485,24 (29/6) 456,15 (13/7)  HORWAY Oslo SE (1/1/12) 155,09 135,29 155,78 155,01 142,22 (19/12) 74,46 (19/1)  SINGAPORE Straits Times (1966) 452,06 452,50 429,75 456,22 486,41 (61/12) 348,54 (25/2)  SOUTH AFRICA Gold (1956) (u) 565,0 586,9 540,5 (41/69) 229,76 (17/4) Industrial (1956) (u) 486,5 466,2 458,8 486,6 (41/69) 270,30 (2/1/75)  SPAIH Madrid SE (29/12/79) (c) 199,05 190,52 160,75 (2/1/60) 100,00 (28/12/79)

## Dow 6 higher at mid-session

with defence issues again featuring strongly along with shares that may benefit from an increase in gasohol sales.

increased to 29.26m shares from 34.4 to 3,704.8. last Friday's 1 pm figure of

26.60m. Analysts said investors were huying in anticipation of a large increase in U.S. defence spending, while President Carter's halt to grain shipments to the Soviets and decision to use some of the grain for gasohol helped many issues.

Traders were also encouraged by the market's performance on Friday when it rebounded sharply from losses earlier in the week.

the week.

Among defence issues, Boeing advanced 3½ to \$58½, Rohr which expanded its bank credit line to \$100m from \$75m, 1½ to \$18½. United Technologies 3½ to \$49½ and Teledynz \$5 to \$188½.

Among potential beneficiaries of increased gaseful production, active Standard Brands rose \$2 to \$23½. Archer-Daniais-Midland 2½ to \$31½. The \$63½. However, fartiliser and farm equipment shares declined on the grain news. Active Williams Companies lost \$1 to \$30, Beker Industries 1½ to \$13½, International Minerals and Chemical 1½ to \$36½. Deere 1½ to \$36½ and International Harvester 1½ to \$36.

Gold, Silver and Copper issues rose on higher matal prices. Kennecott gained 21 to \$35, Asarco 21 to \$421, octive Benguet, which opened a new copper con-centrator, # to \$7‡, ASA 1, to \$461. Sunshine Mining 1; to \$36

and Hecla 21 to 8441.
Four Phase Systems, which last week forecast a profits decline, fall 91 to \$341.

Closing prices for North America ware not available for this edition.

### Canada

Markets showed a firm bias The Dow Jones Industrial Markets showed a firm bias Average was 6.31 higher at in an active trade yesterday 335.15 at 1 pm and the NYSE morning. The Toronto Composite All Common Index 38 cents Index rose 8.0 to 1803.2 at noon. firmer at \$61.55, while rises The Golds Index advanced 38.8 outnumbered falls by an eight to 2,837.4. Metals and Minerals to-five ratio. Trading volume 35.5 to 1.832.8, and Oil and Gas

In Montreal the Banks Index fell 5.36 to 298.12.

#### Tokyo

After initial firmness, the market generally receded as investors became concerned over the possibility of trade conflicts with the U.S.

Trading was very setive, with the international strife. Some volume reaching 650m shares, compared with last Friday's 270m and Saturoay's half-day session total of 330m. Declining session total of 330m. Declining issues on the First market section finally ontscored gains by 304 to

556, while the Nikkei-Dow Jones
Average closed 30.38 down at

6.552.65. The Tokyo SE index

Licetic 30 cents to HKS5.55. Hongkong Bank

Electric 30 cents to HKS5.55. lost 1.66 to 458.24.

A strong wave of early buying had centred on Non-ferrous Metal issues and such defenceindustry related stocks as Fuji HKS16.50. Heavy and Ishibara Sangyo Raisha, reflecting the recent political tension between the U.S. and Soviet Union. Mitsabishi Metal rose Y19 to Y196 and Sowa Mining Y21 to Y481.

However, there was later speculation in the market that the U.S. suspansion of grain exports to the Soviet Union would enlarge Washington's trade deficit further and lead to a U.S. trade conflict with Japan in the future.

in the future.

Shipping Lines and Trading Houses lad the fall, with Mitsubish losing Y36 to Y708, C. Itah Y36 to Y507, Sanko Steamship Y16 to Y333 and Yamashita Shinnihen Steamship Y12 to Y206.

Export-orientated issues closed weaker partly because of the appreciation of the yen, with Sony dipping Y40 to Y1,740, Maisushita Electric Y12 to Y698, turn on profit-taking, stocks mixed with a firmer bias.

### Hong Kong

A wave of local selling took the market aharply lower the market sharply lower throughout the day, with the Hang Seng index retreating 32.66 more to \$16.18. Turnover was again fairly heavy, totalling HK\$288.92m on the four stock to A\$5.10.

Among other Base Metal proexchanges against last Friday's

HKS280.41m. Brokers attributed the fall to continuing fears that the Govern-ment may impose tighter regulations in the Property sector and

In the Property sector, Hong Kong Land shad 50 cents to HK\$13.30, Cheung Kong fall 80 cents to HK\$18.70 and Sun Hung Kai Properties 40 cents to

Among Utilities, Hong Kong
Gas declined 20 cents to
HK\$27.80 and China Light
HK\$1.10 to HK\$13.70.

Bourss prices were firmer-inclined after quist dealings. Brokers said there had been a certain amount of bargain hunting following the heavy losses of last Wednesdoy and Thursday. In the French section, gains led declines by 99 to 69.

STOCKS ON Wall Street tended THE AMERICAN SE Market to recover further ground in active early dealings yesterday, with defence issues again featuring strongly along with shares that may honeft from an incertain note yesterday but became preciously formed during the initially, extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously dominantly firmed during the initially, extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously dominantly firmed during the initially, extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously firmed during the initially, extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously firmed during the initially, extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously firmed during the initially extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously formed during the initially extending last week's afternoon. The Sydney All shares that may honeft from an incertain note yesterday but became preciously formed and initially extending last week's afternoon.

balanca oo lata profit-taking.
Nippon Oil lost Y20 to Y1,710,
Mitsui Mining Y18 to Y532,
Telkoku Oil Y34 to Y986 and
Arabian Oil Y10 to Y3,310.

Ordinaries index enuel 7.38 up at 768.77.

Golds forged ahead amid talk of another upsurge in Bullon prices in Hong Kong. Central Noiseman Gold advanced 36 of another upsurge in Bullion prices in Hong Kong. Central Norseman Gold advanced 36 cents to A\$5.96, GMK 10 cents to A\$4.00, Poseidon 18 cents to A\$2.60, Emperor \$ cents to A\$1.65 and Peko-Wallsend 20 cents to A\$2.65.

cents to ASS.40.

Among other Base Metal pro ducers to strengthen, Missing ained 20 cents to A\$4.75. Bougainville Copper 25 cents to A\$3.00 and Western Mining 10 cents to A\$3.70.

Diamond explorer firmed 3 cents to A\$2.95, while the major exploration partner Swire Pacific "A" 60 cents to HK\$15.10.
HK\$5.65, Hongkong Bank 70 cent to HK\$17.90 and Hongkong Electric 30 cents to HK\$5.85.

In the Property are the setting up of care mercial diameters of care mercial diameters. Kimbarly region.

In the Oils sector, Woodshie improved 10 cents to AS2.37 and Lennard 35 cents to AS1.65. Market leader BHP, after declining to AS11.80 at the outset. rose to A\$12.05 for a net gain of 5 cents.

#### Johannesburg

Gold shares closed higher, but some of the initial sharper gains were trimmed by afternoon profit-taking as the gold price eased.

Kloof rose 400 cents to R29.00, after touching R29.50. Venters 100 cents to R11.90. Vaal Reefs declines by 99 to 69.

Metals, Electricals, Machanicals and Oils were favoured, but Chemicals, Stores and Publishing Houses mostly drifted lower.

Elf-Aquitaine gained FFr 5 to FFr 1,200 5n forecasting higher, 1979 nat profits.

A restrection.

									P1041 111-1151 . 1					
CANAD	A		BELGIUM (o	ontan	ed)	HOLLAND		•	AUSTRALIA	l Delan	Llas	JAPAN (conti		
	1 100	Lan	Jan. 7	Fra		Jan. 7	Price	+ 01	Jan. 7	Aust	+ or	Jan. 7	Yan	+or
Stock	Jan 4	Jan-	Petrofina	5,72	0 +70		Fla-	-	ANZ Group	4.15		MANAGEMENT AND ALL DATE OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRE	1,170	-20
Abitibi	185		Soc Gen Bano	2,88	D  70 5  10	ACF Holding	80.3	+1	Alistale Expl	0.78	+0.0	Marubeni	. 378	_18
Agnico Eaglo	667	544	Sofina	5.16	0 +10	ARZO	307	+0,3	AST. PUID PAP	2,20	+0.0	Morri	763	-23
Algoria Steel	221	2910	Traction Elect	2,53	5 +35	AMEY	100,5	+1.2	AUST CONS INC	2.50				-36 -36
BK Montreal BK Hove Soction		085	UCB	1.49	8 -7	8redero Cort	209 105	+1	Aust Guarant	1.23		Mibishi Corp	708	+4
Basic Resource	206		Visille Mont		014	Bos Kalle Buehrmann-Te Geland Kides	27.3	+1.0	Bamboo Creek	0.22	+0.0	M'bishi Ri Est	128	-8 +6
Bow Valley BP Canada	_ 37	3858	DENMARK			Caland Hidgs Elsevier Ennia	258 135	+0.2	Boue Metal	1.20	+0.0	Mitsui Co		+2 -14
2 Pascan A	224	92	Jan. 7	Pric		Euro Com Tst.	72		Boral Boral	2,20	0,0	Mitsu koshi	430	+1
B.C. Forest Cadillan Fairy,	23	23		Kron		Gist. Brocaries Heleokon	37.8	-5.3 -1.8	Brambles Inde	1,82	+0,2	Mibbon beino "	1.270	-20
Carrillow Mines	LJ 21	814	Andelsbankon. Bei tica Skand	294	-	Hunter Dougla	E. 22.7	+0,1	Brunswick Oil	12.05	+0.0	Hippon Meat	482	-20
Can Coment Can NW Lands.	17	151	Cop Handelsbn	112		KLM	70,2	+1.2	CSR & Utd	1.90	-0.0	Hippon Shinpan	506	+8
Can Packers Can Perm Mtg.	31h	314	O Sukkerfab Danske Bank	118.3	5 —Q.2	. Nat Had Cert	118.4	+0.1	Coekburn Comt	1.35 1,96	-a.p.	·   Nippon Suisan	· 817	-2
Can Trusteo Can imp Bank.	224	2214	Finansbanken	158	+0.2	Ned Wid Bank	222	+1	Conside	4.14 6,80	.+0,14 0,16	Nissan Motor	727	-7
Con Inds	254	2554	Forende Damps	g., 240	1 -0'0	Oce Grinten OGEM Ommeren (Van	150	+2,8	Containers	8.66 5.00	+0.1	Nisshin Steel	123	+9
Can Super Oil.	- a61	266g	Hord Kabel	122	6	Ommeren (Van	218	-0,3	Costain	9.10 8.15	-0.10	HYK	337	_3 _10
Con Tire	27	2712	Novo Ind.	_,1212,2	5 —8.7	Pakhoed	20,9	-0.5	Duniop	0.86 2.40	+0.10	Orlant	969	—1
Chleftsin			Papirfabrikker. Privatbanken Provinsbanken.	1 160	1 -1	Robeco	34.8 165.5	+0.8	Endeavour Res	0.36	+0.03	Ranown	540	-30 -6
Comineo	53%	541	Smidth (FL)	_1261_2	5 -10.	. i rwuwiica	1700	-0.5 +0.1	Gen Prop Trust.	1.65 3.50	+0.06	Sanyo Elec	394	_17 _4
Consumers' Ga Coseka Res	s. 261	2250	8 Berendsen	121.7	3	Downson	107.8	+0.2	Hartogen Enargy Hookor	2.72	+0.05	Sekisui Prefab	810	-2
Costain Deon Davel	_ 750	7	FRANCE			Slavenburg's	628.5		ICI Aust	2.50	+0.02	Sharp	618 271	-21 -19
Donison Mines	37	371s	Jan. 7	Price	+ or	Royal Dutch	118.5	+0.8	Jimberlana Min Jones (1)	1.80	+0.05	Stanley	1,740 475	-40 -6 -6
Dome Petroleu	m 5378			Frs.		VMF-Stork Volkor-Stevin		-1.2 +0.5	Lennard Oil	1.65	+0.55	6'tomo Marine Talhol Genayo	260 J	+20
Dom Bridge Dom Foundries	184	121s	Emprunt 44% 187	3,499	3	West Utr Bank.	330.5	-3.6	Meekatharra Ms. Motramar Min	0.70	+0.02	Talsei Corp	204 · 527	-5 -3
Dom Storos	125	1934 234	Afrique Oceid.	4,150 351	-65 -15				Monaren Pet	0.35	+0,02	Takeda	228	~IS
Felcon Hickel A Gonstar	281 <sub>4</sub>	2334	AIT LIQUIDO	470	1 +6	ITALY			Myar Emp Hat Bank	1.58 2.90	+0.05	Toilin	138	-80 +1 -54
Gt-Wost Life		1274	Aquitaino	90.6	i   -1	Jan. 7	احتا		Nicholas Int	1.09	********	TBS Tokio Marine	590	-5 -51
Howk Skt. Can.	1554	15	BSH Gervais	350	+18		Price	T or	Dakbridge	3.72	+0.03 +0.03	Tokyo Elect.Pwr. Tokyo Gas	225	+2
Mudeon Ray Mos	1 28	1 30	Carrefour		-12	ANICAssiour Gen	2.75 47,650	TEE O	Otter Expl	2.50	+0.87 -0.28	Tokyo Sanyo Toshiba	632	
do. Oil & Gas	251	25	CGE	885	+1 +15	Banca Com'le Bastogl Fin	. 11,980	+830	PEG PEGITIO	2.07	-0.05	Tokyo Corp	282 431	+2 +2
IAC	1115	701	Cle Bangaire	345		Fint.	1.238	+11.5	Pioneer Conc. Queen Marg't G Reckitt & Coln	0.45 2.38	+0.01	Toyo Selkan Toyota Motor	463	
Imp Oil	494	424	Coffmeg	_  150	+8,8	Italeomenti	.(12.500)	+300	Santos 2loigh (H.C.)	7.10	+0,12	Victor	1.090	_šo
indal	271g	2719	CCFCreusot Loire	257.5	+4.5	Montedison	173.76	-1	Sparges Expl	0.23	+0.82	Yamaha Motor Yamazaki	898	-11 +22
Interpr Pipe Kaiser Res Mac. Bioedel	124	1834	ONEL	1 31.7	+2.8 -0.4 -5	Pirelli Co Pirelli 2pA	1,880	-18 +38	Toohavs.	1.95 2.00	+0.21	Yasuda Fire Yoko-awa Bdge.	296	_23 _15
Mac. Bloeds! Marks & 2gence	284	854 251 <sub>2</sub> 7	Forodo	7 950			., .,,,,	T-00	Utah Mining	1.21 3.95	0.01 0.05		. 000	142
Massey Ferg	1170		Gon. Occidental	27	+0,9				Waltons.	0.22	-0.01	SINGAPORE		
Meriand Expfs	16 la	1818	L'Oresi	812 1,283		NORWAY .	, · ,		Woolworths	3.70 1.43 3.10	+0.10	Jan. 7	Prica S .	+or
Mountain State. Hat. Sea Prods A	. 11	- 11 134	Machines Sull.	_  62.2	+1.8	Jan. 7	Prica Kronor	+ or	HONG KONG			Soustead 8Hd	3.88	+0.96
Noranda Mines.		227	Michelin 8	835		Bergens Bank	108		Jan. 7	rice	+ от	OBS.	2.27	-
Horoen Energy_ Nthn. Telecom_	314 31	814 484	Moulinex	75.2	+0.1	Borregaard Creditbank	, 80			I.K. 8		How Day	5.85	+0.10
Numac Oil & Ga	4754	475	Paribas	J 09.5		Kosmos	87.8	-2.3	Comes Prop	18.70 2,00	-0.80	Malay Banking	2,19 7,95	-0.02 -0.06
Omni Pacific Copper:	1 8 90	2.90	Perrior	257	+2 -4 -2	Norsk Hydro Storebrand	692.5	+27.5	East Asia Nov	10.60 3.45	-0.40 +0.05	Majay Brew	7.05	
Pan can Petrol	211g 241g	2114	Pociain	1012	+7				HK Electric	118 3,88	-4-0.50	Simo Darby	1.48 3.58	+0.81
Placer Dev Power Corp	55	551 <sub>2</sub>	Redoute	428	+8	EMETER:			HK Kowloon Wh.	72.5 18.80	2.50 0.58	Strafts Trdg	7.75 3.54	+0.92
Quebec Strgn	8.70	8.75	Roussel-Ucial	228	+8	SWEDEN	, ,	•	HK Telephone	17.90 28.2	-0.70 -0.80	SOUTH AFRICA		- 64
Ranger Oil	264	247	St-Gobain Skis Rossignol	124.2 980	+0.7 -10	Jan. 7	Price	+-07	Hutchison Wpa	12,10	0.40 0.78			+ or
Reed Stentus A Rio Algorri Royal Bank	3212	81g 8314	Suez. Telemech Elect. Thomson Brandi	1100	+1.8	AGA	150		New World Day O'seas Trust 8k. 2HK Props	4.28	-0.16		Rand	<u> </u>
ROYAL Trustee A.	1534	407s	GERMANY	100,1	-0,5	ASEA	27	-1	Swire Pac A. Wheel'k Mard A	8.7e	-0.40 -0.60	AE & C1	9 40	+0.10
Scaptre Res Seegram Shell Can A	10a 453, 633,	10% 46 84		Price	+ or	Atlas Copco	126	-0.5 +1	JAPAN	3-50		Anglo Am. Co	2.50	+ 1.48 + 0.75
Steel of Can A	2719	1 26	Jen, 7	Dm.		Cellulosa	110	_3 { _1 {	Jan. 7	rieo .		CNA invests	31.50 3.40	+ 1.09
Texaco Canada.	. 23	26.	AEG-Tele7	477	-3.5 +0.1	Ericeson	148			'en		De Reers	1.50 .	+1.60
Toronto Dom Bk	234	254	SAYER	123.8	-0.1 -0.5 -8	Fagersta	68.5	+8	Amada .	623	+8	East Drie 2 FS Geduid 4 Ooid Fields SA 6	5.2 9.00	+ 1.58 + 1.66
Transcan Pipe Trans-Minto Oi A.	154	243g	Bayer-Vorein BHF-Bank	263	-3	Mo ooh Dom Saab-Scania	82,5		Bridgestone	586	-8 +2	Highveid Steel	9,00 8,55	
Trizec Utd Siscoe Mines	26 115	271 <sub>2</sub> 113 <sub>8</sub>			+1 -0,5	Skandia	226		Citizen	641 .	-19	Kloof	e.oo   - 8.00   -	-0.05 +4.08
Walker (Hrm) A Wartior Res	2.40	3,40	Srown Boveri Commerzbank	286.1 174.8	+2.8	SKAN Enskilde !	117	-1	OVER	558	-2 +1	OK Bazaars1	5.20 5.00	
WestooastTrans. Weston (Geo)	225g	14 22½	Daimisr Benz.	289		SKF St.Kopparberg Sven Handelsbn.	60 )	<u>+1</u>	Daiwa House	232   . 278   .	-3 (;	Rambrant	2.70	
			Demag	236	+2.2	Uddeholm	82.6	+8.5 -1.5		190		Rennies		-0.12 -0.30
AUSTRIA		- 1	Deutscho Bank		+1,5	Volvo	59	+0,5	Fuli Sank		-30 +2	SAPPI	2.55	
Jan. 7	Price	+or	DU Schult	150	-0.8				Fujisawa	64   -	7- 1	PHOTOL CAS KIIDSY IT	VR I	-O.05
	*		Dresdner Bank Dyck Zement GHH	187 193.2	-6	SWITZERLAND			Green Cross	750		Sorec1	1.80	-Q.18
Creditanstalt	336 286		Hapag Lloyd	72.5	******	1	1.	. 1	Herwa RI Est	110 .	12	Misec		-0,05
Perimooser	27e	+1	Hoechst	34	0.2 0,2	Jan. 7	Price -	-	Hitachi Koki 📗 🗷	71 .	4	Financial Rand (Discount of	1 US\$0	).92
teyr Dalmier ottscher Mag	240 546	+5	Horten	540 119,5	+0.5	Alusuisse	1,125	5	House Fond	43 -	_01	BRAZIL	/0/	•
			Karstadt	147,5 287,5	. 27	Ciba-Geigy	1,810	-15	to Ham	80   -	2		<u> </u>	
BELGIUM/LUX	EMBO	JRG	Kaurthof	184,5		Credit Sulses	2,250	-15 I	JACCS	201-	10			or
	1		KHD Kleeckner Krunn	206.	+0.5	Fischor (Geo!	2.030 - 730	-20	JAL	- 05	∟xn .l-	cesita		
Jan. 7	Price Frs.	+or	KruppLinde	297	+0.5	Hoff-Roche 1/10	2 375	-1750 -150	Kajima	85 -	7	Sanco Brazil	2.67 -	0.05 -0.01
RBED	9,055		Lufthansa	7g 185	+1	Jelmoli	5,040	+15	Kajima 2 Kajima 4 Kashiyama 5 Kikkoman 5	85	1 1	Olgo Ama-		0.07
ang Ind a Lux	2,080]	-20	Manneemann Mercedes Hig.	203	77.	Nestle	2,590	5	Kokuyo 1,1 Kokuyo 1,1 Komatsu 6 Homatsu Fift 6 Konishiroku 4	道   -	-5.   i	Frailf	1.68 -	0.02 0.02
Ament CBR	330	-6 +13	Metaligessel	258   542	-10	Oer-Buhrle	2,415	6	Komatsu	49	9 10	Olive Core		0.07
DES	2,175 6,140	+15	Preussag	154	+2.2 0.8	Pireill	4,075	4	Konishiroku	65 -	6 Y	ale Rio Doca		
B-Innomena	8,240 2,410	710	Rosenthal	246	-1	Schindler(Pt Cts)	866 -	-15	Kumogai	₩ 1	5 T	over: Cr.121 8m		

### Walker suggests national finance to ease EEC farm problems

Americing could help to ease the mancial problems plaguing the TECH Common Agricultural Walker the UK Agriculture Minister, told farmers in

Oxford last night. He suggested that the full cost of agricultural support hould not fall upon the CAP but that a proportion of the miney should be provided directly by the countries in which the expenditure occurred. He also said social policy should be separated from the CAP with member governments pro-viding direct aid to their small farmers if they so wished.

The basic problem was that the CAP had to cops with far more production than was ever intended. Mr. Walker told the insugeral dinner of the Oxford Farming Conference. vious approach to surplus pro-

duction is to restrain it by direct economic forces, that is by bolding down the level of support.".
He said the EEC Commission's recent proposals sought to

creating new revenues rather than by dealing with their root Common Agricultural cause. Its plan to increase (CAP) Mr. Peter levies on milk production was an example of this approach.

> "Why is it always the consumer who has to find the money," he asked. "The support price could be fixed lower by the amount of the levy. Thiswould make no difference to the producer; consumers would ba better nif; and the cost of He denied that the proposals surplus disposal would be less, because a lower rate of export producers. subsidy would be needed." Mr. Jon'

> policy on the level of support for surplus products was essen-He admitted that some small producers might need protection under such a policy, but argued that the whole of the resulting cost should fall on the the opening up of Europe's national Exchequer, not on the agricultural markets, and has Community budget. .

A.CREATER degree of national solve the CAP's cash problem by current level of expenditure

adaptation. 'That is why the Commission has recently proposed a series of measures to deal with the surpluses, particularly milk and sugar," 'nе

unfair to British were

Mr. Jenkins also commented Mr. Walker said a tough on the Franco/British lamb dispute, "I believe that France will comply with the European Court's judgment on sheepmeat (ruling that the ban on imports from Britain is illegal)." he said. "She has henefited from every reason to preserve It."

John Cherrington writes: Mr. represented a "gross misuse of Walker's suggestion that the Mr. Roy Jenkins, president of the Commission, agreed that the CAP was in president and the commission.

But his suggestion that governments abould foot the bill for the support of their poorer farmers is more interesting. It is believed that the UK Government has been thinking that the only way in which to control community expenditure on the CAP would be to make member states and their farmers much more responsible for their own farm production.

At the moment such measure would be howled down by all in Brussele as being against the rules. But in fact it is the only practical way of enforcing production discipline and saving money.

By mentioning such possibilities, Mr. Walker is being fairly daring in the present climate but be does seem to be testing the opinions of his colleagues.

#### With the cost of running tha He pledged that the Commis-CAP having trebled since 1973 sion would take further legal the need for reform was action if necessary, to en "obvious and urgent," Mr. that the judgment Walker declared. He said the henoured. action if necessary, to ensure

European grain prices hit by U.S. ban

O.OO and b

Tate : 0.25

: Euge

ORE

4.700

SERICA

in early trading yesterday \$6 per tonne for nearly posi following the U.S. decision to tions. ban the export of about 17m oils and oilseed markets eased of in reaction to the embargo, which includes soyabeans; meal and oil.

in London March barley Stures, closed £1.60 down at 5.20, and wheat £1.20 down

Grain brokers anticipate that ncreased quantities of U.S. maize will be offered on European markets in the near term at sharply lower prices.
Although offers to the UK market were slow to emerge yesterday, supplies of U.S. maize were offered in Rotterdam at \$134 per tonne cif for January. a decline of \$4 on prices before

at £120 per tonne ex-mill. In Rotterdam, prices were the U.S. markets ban. heavily marked down from Fri-

BRITISH grain prices declined January, while wheat fell \$4 to pend trading in grain and

In Washington, U.S. grain fonces of grain to the Soviet and soyabean export trade was Union. Elsewhere in Europe at a virtual standstill after the Administration's decision to suspend exports to the Soviet Union and closing of U.S. grain futures markets, U.S. exporters said.

"There is no buying whatsoever, since there are no futures markets on which to bedge sales and purchases," one exporter said. "The question is how the Government plans to keep the market from bottoming nut." The exporters and buyers are

awaiting a decision from the Government on bow to compensate the exporting firms and the farmers for lost sales and when to re-open futures trade. ha weekend. The Winnipeg Commodity
UK-produced soyabean meal Exchange said it would trade declined £4 per tonne in nearby grain and oilseed futures. The deliveries with Feb. May trading decision was taken at an emerat £121 and April-May-£2 down gency meeting yesterday of tha exchange's governors following

Meanwhile in Washington the day's levela with little buying U.S. Commodity Futures Tradactivity evident. Maize was in Commission said it will marked down \$1 to \$134 for consider today whether to sus-

soyabean futures beyond Wednesday if new information soyabean were received which would bave serious impact on the market. The CFTC chairman James Stone has said the com-mission would not, bnwever, extend the ban to precious metals.

A Chicago correspondent writes: Subdned and resigned opposition was the reaction of commodity brokers at the Chicago Board of Trade to the decision by the Commodities day night. Futures Trading Commission to close grain trading at the exchange until Wednesday.

The Board of Trade chose nnt to challenge the suspension in court, but may change its mind to the USSR were clarified. But If the CFTC does not permit a analysts bere, unanimously resumption of trading on agreed that the embargo was Federal court last September. severely limiting judicial relief emergency powers, limited the Exchange's room for manoeuvre. Concern that the American

public may interpret a court challenge as an attempt to thwart President Carter's programme of retaliating against the USSR was another.

at one point. After opening at £7,310 lenvard metal came under gressure from profit-taking and hedge selling which pared the price 10 the day's low of £7,210 on the lete kerb. Turnover

Morning: Standard, cash £7,400, 730, 80, 70, three months £7,280, 70, three months £7,280, 70, 90; 60, 80, 40, 50. Afternoon; Standard, three months £7,230, 20, 10, 13. High Grede, three months £7,250. Kerb: Standard, three months £7,250.

LEAD—Lest ground owing to in-fluential seiling and stop-lose selling coupled with the downturn in copper. Forward metal opened in "the £432-3 region and lell oway throughout the day before closing at £479 with the backwardstion narrowing to around £5. Turzover 9,550 tonnes.

Official - Unofficial -

£ 2 £ £ £ 489.91 -29 487.5 -24,2 484.6 -15,5 494 -51 -52,55 ....

large multinational grain mer-chandisers for the emergency sctinn. They claimed the mer chandisers had immense "long" positions that would have cost huge sums of money had trading hegun Monday morning and prices plummeted. A CFTC spokesman denied tha action was taken because of pressure from the shippers, but conceded that discussions with them occurred Saturday following the embargo announcement on Fri

Brokers were quick to blame

Some brokers suggest. would be desirable for the market to remain clused until government plans for disposing of the cancelled grain shipments Wednesday. A decision by a extremely bearish and predicted a sharp decline in prices regardless of government efforts to alleviate the impact of the new and unexpected grain glut.

They doubt government ownership of the grain would have much impact on the anticipated decline in prices when to 662,169 tonnes and other trading resumes "It changes ownership — it doesn't change Sheep numbers at March 31, supplies."

### Metals react to nervous market

By Our Commodities Editor COPPER PRICES finetuated wildly yesterday reflecting the

general nervous mood on the London metal markets. Copper three months wirebars surged up to £1,130 a tonne in carly trading following the upward trend in gold

and reports of Japanese buying interest. But heavy selling then developed and the market fell to £1,048 before recovering late inter-office trading to £1,055. Cash wirebars closed £7

down on the day at \$1,044 a tonne, in spite of a further fall in LME warehouse stocks, down by 1,050 to 125,450 Tin values were sharply

lower. The cash price closed £135 down at £7,335 a tonne as the prospect of releases from the U.S. stockpile encouraged selling. A rise of 265 tonnes in stocks, raising total holdings to 2,005 tonnes, emphasised the easter nearby supply situation. Lead prices took another

hattering. Cash lead fell hy U.S. Asarco announced a inriber cut in its domestic price of 2 cents to 52 cents. Only last week it reduced the price by 3 cents from 55 cents. Silver was marked up at the Leodon bullion fixing in the morning, when the spot quotation was raised by 270.9p to 1,733.95p an ounce. However the market fell back on rumours of a possible closure

of U.S. precious metal futures and cash closed around 1,600p. LME silver stocks rose by 160,000 to 13,260,000 ounces. Zinc slocks increased by 2,200 to 48.200 tonnes: aluminium by 1,575 to 19,025 and nickel by 762 to 6,462. Lead holdings were unchanged at 17,525

#### Australian wool increase

CANBERRA - Australian wool production is expected to increase by 3.7 per cent in 1979/80 to 731,569 tonnes, up from 705.791 tonnes in 1978/79 hut still well below the peak of 793,479 tonnes in 1974/75. Estimates issued by tha Statistics Bureau indicate shorn wool was expected to amount

RHODESIAN TOBACCO

### Fast growth likely as sanctions end

BY MARK WEBSTER IN SALISBURY

RHODESIA WILL again start trading openly on the international tobacco markets from April 7, after 14 years of sanctions, during which the country has dealt secretly through middlemen, the Rhodesia

Tobacco Association has said. . The association, which represents the country's 1,540 registered commercial tobacco farmers expects a good quality crop of 95m to 100m kilos thanks to the weather pattern of good rainfall.

It is the first time since UDI that Rhodesia bas published any production figures and they still refuse to say officially how hig the crop has been since 1965.-However, tobacco growera say that last year's crop was a record for UDI years in terms of quantity because of the severe drought but that it was of poor quality.

Now that sanctions have been lifted, it is unlikely that Britain will ever regain the dominant position it held in the Rhodssian market. Befor UDL, the two British giants, Imperial Tobacco and Gallahers, accounted for around 50 per cent of total exports Mr. John Arkwright, general

manager of Imperial Tobacco's Rhodesia Leuf organisation sald be thought Imperial would

adopt a cautious approach to the to see the outcome of the next elections. "For the past 14 years when

Rhodesia was out of the running we had to find our markets somewhere else and we bove now established ourselves as regular buyers with about seven other countries, all nf which bave proved themselves politically stable. This country has yet to prove it is politically stable." he said.

Tobacco was the mainstay of

UDI accounting for 40 per cent of gross national product. Ithough it is unclear how much that has now fallen it is still the biggest foreign exchange earner. sanctions Rhodesian tohacco farmers expect the industry to grow at around 10 per cent annually as increased profitability encourages white farmers to grow tohacco again and 9 land settlement scheme brings more black farmers into tobacco

Tobacco farming was hadly hit by the imposition of sanctions especially as the British market accounted for so much of production. But secret dealing encouraged, a steady improve-

The immediate impact of Rhodesian market, waiting first sanctions was to reduce dramatically the area uoder cultivation. In 1965, about 90,000 bectares of tobacco was grown but that figure has been reduced by about 30 per cent-to the present area of 63,000 bectares, as farmers moved into other crops or in some cases. abandoned their

> Since 1965, however, farmers bave increased their output by adding to the area under cultivation and by using improved varieties and better farming

The new varieties bave been developed at the country's own Kutsaga research centre and are more disease resistant. As a result of that and new farming techniques, yield bas increased from 1,250 kilos per hectare in 1965 to nearly 1,600 kilos per bectare now.

Mr. Don Bulloch, president of the Tohacco Association, said that the most promising markets in the future for Rhodesian tobacco were the EEC and the For East. To help the industry get off the ground quickly he would like to see preferential advantages are the quickest way of putting this country back on its feet," he said.

### Sugar market falls BY JOHN EDWARDS, COMMODITIES EDITOR

WORLD SUGAR values dropped

sharply on the London terminal market yesterday following the International Sugar Organisation's decision to raise export quotas for 1980 - by 1,147,000 tonnes. The London daily price for raw sugar was only cut by £2 to £165 a tonne, but on the futures markets there were heavier losses. The March position closed £5.20 lower at £170.875 a tonne, after falling to £168 at ona stage,

Some dealers pointed out that the rise in export quotas-announced late on Friday night -was largely in line market expectations and bad been largely discounted. They attributed the decline to speculative selling on fears that beavy losses in the grain and ollseeds futures, when they re-

sume trading this week, would affect other "soft" (non-metal) markets as well. At the same time, it is thought that many speculators,

deciding that sugar is no longer on the way up, have switched to precious metals. Whatever the reason for the decline the International Sugar Organisation appears to have achieved its initial objective of damping down the market and

avolding the automatic suspension of quotes, which would bave resulted in a free for all. At the insistence of consumer delegates the executive couocil of the International Sugar Organisation decided to meet again on Thursday to review the market and consider whether a quote increase of 700,000 tonnes should be made, Reuter

### Record avocado sales to Europe

ISRAEL'S EXPORTS of avacado pears to Europe in the first half of the current export season reached a record 12,000 tonnes, worth \$1Sm and total exports of this fruit during the 1975-80 season are expected to reach 28,900 tonnes, with proceeds estimated at \$33m. Agrexco, the Israeli State

marketing organisation, bas can celled a contract for one of the vessels intended for vegetable shipments, which are now ex pected to reach only 100,000 toones this season, Heavy rams have reduced supplies, with the result that home market prices bave risen and become more attractive to some growers than sales abroad. The original target or vegetable shipments was 125,000 tonnes.

66.50-66.60, Aug. 64.75. Sales: 4.541.

\* Platinum—Jan. 748.00 (767.09).
Feb. (unouoted). April 763.00-767.09.
July. 768.50. Oct. 771.50. Jan. 774.02.
April unqueted. Sales 3.239.
Silver—Jan. 3565.0-2500.0 (3595.0).
Feb. 2375.0 (3255.0). March 3757.0.
April 3428.5. June 3474.6, Aug. 3515.0.
Oct. 3555.5. Occ. 3596.0. Feb. 3625.5.
April 2676.9. June 3717.2. Aug. 3757.5.
Ocr. 3797.5. Occ. 337.5, Feb. 2677.4.
April 3917.2. June 3358.5, Aug. 3966.3.

CHICAGO, January 72.

Treding was temporarily hilad in the fellowing merkers: melic, eove-beans, eoyebean meal, soyabean coil and wheat.

117.50 (122.50), July 135.10, Get, 103.50, St. 103.50,

(242.35).

WINNIPEG, January 7. 58erley-March 118.00 (123.00), May 17.50 (122.50), July 135.10, Oct.

66,50-66.60, Aug. 64,75

### **BRITISH COMMODITY MARKETS**

BASE-METALS

COPPER-Lower on the London Mete Exchange. Another day of hecti-trediag sew longard metal move-sheed sherply on the gre-market to should sharply on the gre-market to tooks £1.130 following reports of Japanese buying interest. However, this level brought out heavy trade sening and profil-taking which caused the once to lose ground for the tost of the day despite various small fallies which petered out. Forward material dropped to letter £1.090 on the moming kerb et which point renewed heavy etoploss solling was reported. In the afternoon the price fell further to £1.046 before clasting the late kerb at £1.048.

PPER	a.m. + or Official -	p.m. Unofficial	+ 01
rebars	1061-2 +5	£ .2D43-5	2.
months Elem't	1087-9 +19 1062 +5	1070-1	7
ithodes ish months	1925-5 +1 1956-7 +2	1015-5 1044-5	4,25 
S. Prod	. 1085 +1	*110.13	

_	WAS TO BE SEEN STREET OF THE SECOND S
;	Prices estanded up in the late Inter-
4	office trading with three months
a1 .	restartal trading at £1,065-80. Tumover
ijΙ,	25,100 tonnes.
16	
νď.	. Amolgemated Metal Trading reported
LO.	that in the morning cash wirebers
of	'traded at £1,062, 63, 62, three months
ř.	£1,103, 01, ·1,100, 1,099, 98, 97, 94,
	. 92, 93, 92, 81, 90, 89, 87, 89, 90, 88,
	Cathodes, cash £1,025, three months
	£1.060, 59, 67. Kerb: Wirehare, three
	months £1,088, 87, 86, 87, 85, 84, 86
ď	Attamount Wirebers, three months
	£1,065, 66, 67, 69, 70, 71, 70, 69,
<b>.</b>	
r-	70, :71. Cathodes, cash £1.015. Kerb:

6		Three rec	nths	£1,070, 6	3, 66
ī	אוד	a.m ntiicial	+00	p.m. unofflois	) <u>- 0</u>
	High Grad	7370-80	£ 127	7350-40	£
••	Scattlem's		-125	1840-10	
25	Gash.,	7370-80		7550-40 7210-5	

CORAL INDEX: Close 418-423 (+7)

I.G. Index Limited 01-351 2466 29 Lamont Road, London SW10 OBS.

— L. Tax-free trading on commodity futures.

The commodity futures market for the small investor.

INSURANCE BASE RATES Property Growth ...... 151% Vanbrugh Guaranteed ...... 14.5%

### Commodities in the 80s: **BOOM OR GLOOM?**

one thing is sure the success commodity traders enjoy will largely depend on the quality of market intelligence they get from their brokers. Possibly the most important single factor is accurate price forecasting. Are you getting the quality of advice vital for

successful trading in the eighties? The CCST Annual Market Review, just out, gives firm price predictions at end '80. Send for a free copy now, plus the next two issues of the CCST Weekly Market Report, also free of charge. Telephone: 01-480 6841, or write to:

### C.C.S.T. Commodities Ltd.

Walsingham House, 35-Seething Lane, London EC3N 4AH.

PROMOTIONAL GIFTS Key Rings Paperweights O Cuff Links O Badges etc SEND YOUR COMPANY -LETTERHEADING FOR FREE DESIGN.



Marning: Cash £497, 95, three mor £490, 88, 89, 80, 91, 92, 91, 88, Kerb: Three months £487, 85, 85, Kerb: Three months £487, 85, 85, 85, 88, 84, 83, 814 moon; Three months £483, 82, 83, 85, 88, 87, 66, 85. Kerb: Three months £484, 83, 81, 80, 82, 81.

ZINC—Hald steady deeplite the reaction in copper end the decline in lead. Forwerd metal raded in entrow rango before dipping to close the leta kerb at £338. Turnover, 5,125 tonnés. † Address shown under Incurance and Property Table. This year, no matter what happens to the markets,

Morning: Cash £324, 25, three months £343, 42, 41.5, 41, 40, 39, 40, 41. Karbs Three rounts £341, Aformoun: Threo months £342, 43, 41, 40, 41, 42, Kerb: Three months £342, 43, 41, 40, 41, 40, 38; 40. ALUMINIUM-Merginally sealer on belance efter a dey of stratic move-ments. Heavy Commission House sell-ing depressed forward metal fram £885 to the low £850s in the morning before a good rally left the grice at £870 on the morning kerb. In the effections renewed heavy celling developed and this caused a fresh fall to £856. However, towards the close a £850 however, towards which left forward material at £862 on the lets kerb. Tutnover \$1,850 tonnes. a.m. tor p.m. tor 

NICKE Moved narrowly between 22,830 and £2,855 prior to closing the late kerb at £2,875 after e day of reutina trading. Turnover 270 tonnes. NICKEL 2760-80 -70 2770-90 -50 2870-86 -52,5 9880-90 -7.5 Moreing: Cash £2,800, three months £2,830, 80, 70, 80, 90, 80, Afternoon: Three months £2,805, 80, 77, 80. Kerb: Three months £2,805, 70, 75.

Silver was fixed 270.8p an ounce higher for apot delivery in the London bullion market yesterday at 1,733.85p.

3,850c). Sulfon + or LM.E.

003 65. 1 bitto 1	, Ollo I I I I I
Spot 1783,95p — 20 3 months 1800,95p — 282 5 months 1829,95p — 277 19 months 1895,95p — 277	1530,00p
LME—Turnover 213	(240) lots of
1720, 05, 1580, 50, 60, 1796, 90, 25, 90, 98, months 1787, 90, 52,5 Three months 1750, 23	70, 80, 1800, Kerb: Three i. Afternoan:
1700, 1890, 80, 78, 50, 50, Karb: Three months	40, 20, 40. 45,

COCOA

Cotos lutures, treding in thin volums over a nertow range, closed this evening unchanged to the Friday closing call. Physicale ramained largely ignored with producers and consumers both content to stand exide at current levels, reported Gill and Outlus.

COCOA	Yesterd ye	+01	Business Done
March	1437-38	+1.0	1444-29
July			1459 47
March	1493-95	₽5.0 3.0	=
May53	1595-45 8 (1,607) 1	ats of	10 tonnes

COFFEE

Alter trading at unchanged levels basis Jenuary and Merch London coffee lutures railied £10 in quel canditions, seamingly neglecting the early attength in sterling. With no trash fundamental naws the market appeared to be seeking disection in the elements of the element of the committee was mainly influenced by a steady New York performance, reported Oraxel Surnhead Lambert.

COFFEE	. Closs	+01	Business
•	£ per tonne	-	Done
January March March May	1574-70	+5,0 +14,0 +11,0 +09 +15.0	1595-89-

Sales: 2,596 (8,681) lots of 5 tonnes. ICS Indicator grices for Jan. 4 (cente per pound): Other Mild Arabican 172.67 (171.17); Robustae ICA 1976 165.50 (189.34); ICA 1968 155.75 (169.46); Unweehed Arabicae 213.50 (169,46), Unweehed Arabicas 213.50 (213.00), Comp. dally JCA 1968 187.86 (187.45).

GRAINS IMPORTED — Wheat: CWRS No. 1 13°s per cent unquoted; U.S. Oark Northern Spring No. 2 14 per cent unquoted; U.S. Hard Winter 13°s per cent unquoted; EEC ungeoted. Maire: Franch Jan. 116.50, Fab. 17.50 Parahip-

ment East Coast - Berley: English Feed fob Jan. 97.50, Jen.-March 99.00, April-June 105.00 transhigment East Coret. WHEAT Yest'rdays + or Yast rday + or 81,80 95,80 99,80 95,45 97,45 Auginess dene—Whast: Jen. 95.00-94.65, Merch 99.10-88.85, May 103.40-103.05, Sept. 97.40-97.15, Nov. 107.05-

50, 51, 48, 47, 48, 49, 50, 49, 50, 49, 50, 49, 50, 49, 50, 49, 40, 47, 48. TUN-Fell healthy following a fall at three-month 4,031.6c, up 651c; six-penang, the downturn in copper and interest of the backwardedon to 6120 at opened at 1,955-18,700 (3,800-4,200) at one point, After opening at 67,310 and closed at 1,580-1,7000 (3,600-4,200). kar opened 75 points to

ker opened 75 points lower but found nervous stop selling on leafs of the American subargo spineding to the EEC and values lear ground exactly during bath sessions by the close on heavy shipper calling values had lost on wheat batween 155-185 points. The barley was weaker since exports and barley was weaker since exports are more crucial to the tredor mentality. New creps closed weak in sympathy between 85-75 points lower, reported Acil.

MGCA—Locadonal ax-larm apot prices.

Other milling wheat Eastern 98.00, E.

Midlends 96.30, N. East 98.50. Feed
barley: Eastern 92.80, E. Midlends 92.40,

N. East 93.50.

RUBBER

The London physical market opened about unchanged with lair interest throughout the day, closing uncertain. Lewis and Pest reported a Meleyaien gadown price of 307 (308) cents a kg (buyer, Jenuary).

No. 1 7.8.5.	Yest'rdays Close	Previous Closs	Susiness Done
Feb	69.25-70,50	65.50-70.0	d -
Mar	70.25-71,25	70.50-70.9	
Apr-Jne	72.85-79.80		575.00-71.40
Jly-Sept			576.00-74.40
Oct-Dec	76.60-76.75		77.10-76.50
Jan-Mai	78,85-78.76		78.75-78.70
Apr-Jns	88.80-91.05		81.25-81.00
JlySept	35 90 85 60		585.25-83.20
Oc1-0ec	85.35 85.50	85,15-86.5	<u> </u>
Spat 6	275 (288) is cel closing p 8.50p (no March 69.	me); Fal	yer) Were: b. 88.40p

SOYABEAN MEAL The merket opened with substantial The merket opened with substantial losses tellswing the watkend announcement of the U.S. Grain Embargo; reported T. G. Reddick. Prices moved to limit tenses of 15.00 and responed with further falls before finding fresh speculative and trade buying interest. With most of the celling completed prices railied to close on the highs with losses of 13-14.

February 119.86 19.5 - 2.95 119.89-17.56
April 119.86 19.5 - 2.95 119.89-17.56
April 119.86 14.7 - 5.75 115.40-15.80
115.86 15.7 - 4.25 118.80 12.85
August 118.18-18-4 - 5.75 115.80 15.80
October 114.96 - 14.8 - 3.95 115.80 15.50
Pecember 115.30-27.0 - 3.95
February 117.98-29.8 - 3.0 Seles: 164 (95) lots of 100 tonnee.

SUGAR . LONDON DAILY PRICE (new sugar):

LONDON DAILY PRICE (rew sugar):
£165.00. (£167.00) a ronne oil for JennFcb. shipment. White sugar delly price
was £182.50 (£184.00).
The market was siterply lower. First
trades were some £3.50 below preweekend levele. Stop-less liquidation
was touched off end by mid-day Merch
hed fatien to £182.25. Prices lifted by
up to £3 above the low points following a higher opening in New York,
reported C. Czernikow.

& per tonne March 176.75-71.06 178.45-76.50 1791.5-88.80 May 175.50-74.90 178.50-78.65 166.69-70.75 Aug 174.66-74.66 178.15-78.60 179.50-71.50 Oct. 174.66-74.60 179.50-78.05 179.50-74.00 Spiese 6.127 lots of 50 tonnes.

PRICE CHANGES In tonnes unless otherwise stated.

Jan. 7 1- or Month Metals Free Mkt (as) \$1850, 1850 Cosh what £1.044 7 2994.5
O mths £1.070.5 4 2994.5
Cash Gathods £1.015.25 -4.252859
3 mths £1.044.5 5.5 £973.5
Gold troy GZ \$650 +40 3451.6
Lead Cash £990 80 £554
5 mths £485
Nickel £8.860.17 £8.861.17 Wolfrm 22,04 & \$755/158 Zing cash ---- £520 O months --- £54 1.0 Producers --- 5780 Seeds Copra Philip.....6570r Soyabsan(U.S.)(6285.0x -1.90 £98.40 aoditie

Graine Barley Futures £95.20 French NoSAM Wheat No. 1 Red 5pg. NoSHardWint. Eng. Millingt. r Jen.-Feb. e Feb. t Merch-April. u Ap

E318.70 (E304.95) a tonns for home trade and E243.00 (E245.50) for expert. International Segar Agreement (U.S. cents per pound tob and stowed Caribbean port). Prices for Jenuery 4: 0ally price 14.91 [14.75]; 15-day augment 14.95 (fd.97).

Oally price 14.91 | 114.75): 15-dey average 14.85 (14.82).

NUMBER 4 CONTRACT—Close (In order buyer, seller only). May 172.50, 173.00; Aug. 173.00, 173.25; Oct. 172.75, 173.25; Jen. 171.50, 172.00; March 171.00, 174.00; May 172.00, 174.00. Selea 139 (338).

LONDON WHITE SUGAR—Close (In order buyer, seller, business, selles). Feb. 175.00, 185.00, nil, nil; July 177.00, 187.00, nil, nil; Sept. 177.95, 188.00, nil, nil; Nov. 178.95, 189.00, nil, nil; Feb. 178.00, 189.00, nil, nil; April 179.00, 184.00, nil, nil; Selea 69.

JUTE-Jen. Feb. is and E. Qundaes

aWC 5222, 8WD 5192, BTB 5252, BTC 5235, 8TD 5255, C. and f. Antwerp Jan.-Feb.: BWC \$501, BWD \$438, BTB \$580, BTC \$518, BTD \$448, Juto Goods Jan. c. and f. Dundes: 40 in. 10 oz. \$16.58, 40 in. 7.5 oz. \$12.82, B twills 555.85. COTTON .

LIVERPOOL—Spot and shipment sales emounted to 298 tunnes. Further useful support was evident in Anteriche-type varieties. Operators wanted to keep in touch with values and interest

ranged over numerous qualities. **MEAT/VEGETABLES** SMITHFIELD—pence per pound. Best: Scotch killed sides 65.0 to 69.0; Eire AMERICAN MARKETS

AN UNPRECEDENTED suspension in plex with ell months locked Imig down.
Silver closed limit up, while gold registered another major advance es the political and military uncertainties continued. Soger prices collepsed in response to a 1.1m metric tonne increesa sponse to a 1.1m metric tonne increese in the sugar, quote and on possible limitations on asle to the Soviet Union. Profit-teking continued in cotton, severely dopresenting prices. Cooper prices tolispsed on epeculative selling. The cocca market advenced moderately in light trading. Good preducer support attracted aggressive commission house buying in coffee, rellying prices also july. Heinold reported.

Copper—Jan. 104,00 (108,60), Feb. 105,20 (110,0), March 105,50-108,60, Sept. 108.10, Occ. 108.00, July 107.50-108.00, Sept. 108.10, Occ. 108.00, July 111.20, March 109.60, Mey 11.40, July 111.20, Merch 109.60, Mey 11.40, July 111.20,

March 103.60, Mey 11.50, July 111.50, Sept. 112.00.
Petatoes (round whites)—March 59.0-59.8 [51.2], April 50.0-56.3 [68.2], May 73.8-74.1, Nov. — Selee: 1,105.
Tin — 77.600.795.00 eaked (794.00-795.00).
Lard-Chicago loose 22.00 (seme).
New York prime etrem unavailable.
Live Cattle-Jan. 65.77 (67.27), Feb.
68.97 (70.47), April 71.47, June 73.07,
Aug. 73.17, Oct. 71.70, Occ. 72.80, Jan.

**EUROPEAN MARKETS** 

Dec. \$150.

Soyabaans—U.S. Two :Yellow Goll ports Jen. \$252.50. Feb: \$270, March \$273.50, April \$279.50. May \$281.50, June \$287. July \$288. Aug. 292, Sept. 294.50. Oct. 297.50, Nov. \$296.50. Oct.

(242.35).
All cents per pound ex-worehosis unless otherwise stated. "Sper troy conte. I Cents per troy conte.; t Cents per 55-lb bushel. I Cents cer 60-lb bushel. || Sper short for (2,000 lbs). § SCan. per metric from 55 S cer 1,000 ag. (set. ‡ Cents per dozen. Whest—U.S. Two Oark Hard Winter wheet 13.5 per cent Feb. \$208. March \$210. U.S. Herd Winter wheet 15.5 per cent Feb. \$208. March \$210. U.S. Herd Winter wheet remainded. U.S. No Two Rad Winter wheat Feb. \$180. Merch \$192. U.S. No Two Nothern Sping wheat 14 per cent per cent protein U.S. Two Nothern Sping wheat 14 per cent \$241 traded, AFL \$253 actiles. \$1241 traded, AFL \$255.50. April/Sept. \$245 traded, Jan. \$241 traded, Jan. \$241 traded, AFL \$255.50. April/May \$240. April/Sept. \$246 eatlers. \$208. Here \$138. April/July 200. \$135. March \$138. April/June 143. July/Sept. \$149. Oct./ \$135. Jan. \$134. Feb. \$135. March \$138. April/June 143. July/Sept. \$149. Oct./ \$1350. Sept. \$1207/1345. Occ. \$130/1350. March \$1257/350. Seles or cell 1.

PARIS, January 7.
Cocce- (FFr. per 100 kilos), March
1288/1300, May 1300/1305, July 1305,
Sept. 1325/1345, Oec. 1330/1350, March
1225/1350, Sales ar cell 1.
Suger (Ffr per 100 kilos), March
1621/1623, May 1620/1632, July 1630/
1640, Aug.- 1631/1642, Oct. 1630/1690,
Nov. 1625/1655, Oec. 1640/1570; Merch,
1650/1690, Sales at cell 3.

INDICES FINANCIAL TIMES Jan. 4 | Jan. 5 M'nth ago Year ago 294,40 295,03 297,22 257,75 (Bese: July 1; 1952-100)

MODOY'S Jan. 4 | Jan. 5 M'nth ago Year ago - 1588.1 1193.8 877.2 (Oscember 31, 1931 = 100)

ends 114.0 to 181.0. Lamb: English small 60.0 to 64.0, medium 54.0 to 50.0, amell 60.0 to 64.0, medium 54.0 to 50.0, heavy 44.0 to 55.0; Scotch medium 54.0 to 60.0, heavy 44.0 to 56.0; Imported Irazan MZ PL 0:d Season 50.5 to 52.0, MZ PL New Season 53.0 to 54.0. Park: English, ueder 100\_lbs\_39.0 to 50.0, 100-120 lbs 40.0 to 43.0, 120-160 lbs 37.5 to 46.0. MEAT COMMISSIDN-Average lat-

etock prices of representative markets on: January 7. GB—Cattle 80.21p per kgiw (-2.11). UK—Sheep 138,8p par kg estock (-5.1). GB—Pige 61.9p per kgiw (-8.0).

WOOL FUTURES

BRADFORD — Traders seld quoted prices remain on the higher bests reached less week, but firmly higher traded grices have not yet been established. The rises were basically protective due to the international crists and polyterares aroun holders of week. and reluctance among holders of wool

LONDON GREASY WOOL-Close (In order buyer, seller only). Ponce per pound. March-Mey-July-Oct-Oec.March-Mey-July ell 232.0, 242.0. Price indications for the week: Quelity
(in order buyer, seller only). March
(13p): Plain 55p (57p).

Jan. Jan. Month Yoar 4 5 ago ago 8uat ... 410.18 415.89415.18,384.06 Ftur : 424.07 422,64,418,49,395.38 (Average 1924-25-26=100)

REUTERS Jan. 7 Jan. 4 Minth agoYsar ago 1683.8 1702.7 1701.9 1491.8

[Base: September 18, 1931 = 100]

May-July-Oct.-Osc.-March-May-July all 188.0, 198.0. 188.0, 188.0.

5YDNEY GREASY WOOL-Close (in order: buyer, selier, buzmass, seles).

Auetralian cents per pound. Micron Contract: March 441.0. 444.0. 450.0-Contract: Mayor 441.0, 444.0, 450.0-439.0, 106; May 456.0, 470.0, 477.9-488.0, 201; July 485.0, 488.5, 493.0-483.0, 270; Oct. 476.0, 481.0, 485.5-481.0, 118: Occ. 480.0, 485.0-485.0-3 482.0, 60; Merch 487.0, 490.0,

TEA AUCTION LONDON TEA AUCTION-53,752 pack-

ages were offered at yesterday's suction. Assems were generally 6p to 6p lower except the tew brighter lines, which were firm to deard. Bright Africans sold well but did not always realise valuations. Mediums were very irregular but often shed 25 to Plein sorts were generally lower plainest types met better eupport and tended deerer. The lew bright Ceylons sold well but others were mainly 3p to Sp lower, with plainest toes neglected.

### Hopes of steel strike settlement lift equity leaders Gilts also encouraged—Golds active but below best

Jan. 23 Feb. 7 Feb. 8 Feb. 18 • "New time " dealings may take place from 9.30 am two business days

Stock markets began the final leg of the trading Account with both maio iovestment sections still reflectiog optimism about a solution being found to eod the steel dispute. Seotlment oo this point more than outweighed the effects of the tense international situation and further gloomy surveys about UK economic

to reach the high levels of last week. A good two-way business developed as prices drifted hack from the hest and, after some U.S. inquiry, the late tone was described as mixed. Gains among heav; weight issues finally ranged to a point and the FT Gold Mines index rebounded 6.2

to 286.4.
Gilt-edged securities were not disturbed by the prospect of interest rates remainleg at Investment enthusiasm was no a enable quotations to regain early losses, extending to a in some cases, and settle a fraction higher on balance.

#### Bowring jump late

Against the trend, Exchequer per cent 1985 lost 4 to 1012 oo the view that the atock could face competition from the new tap announced last Friday; subscriptions lists for the latter, Exchanger 14 per cent 1984, close oo Thursday and dealiogs hegin

on Friday. Rumours concected with yesterday's negotiations io the steel dispute encouraged a fresh equitics after the official close of trade. Sellers of quality shares were conspicuous by their absence throughout the session and only a light demand was sufficient to put values up. The FT 30-share index, down 1.1 at 10 am, closed at the day's highest with a galo of 6.0 at 419.9.

Demand for Traded options fell away and only 293 cootracts were comoleted, against Friday's 856 and last week's daily average 102 trades, and Grand Met., 50, attracted a reasonable business.

**EQUITY GROUPS** 

& SUB-SECTIONS

Figures in parentheses show number of

Contracting, Construction (29)

Engineering Contractors (11)

Vechanical Engineering (74)

Metals and Metal Forming(16)

Lt. Electronics, Radio, TV (15). Household Goods (14)\_\_\_\_\_

Motors and Distributors (21). CONSUMER GOODS

Entertainment, Catering (17)... Food Manufacturing (19).....

Newspapers, Publishing (12) . Packaging and Paper (15) .... Stores(43) .....

(NON-DURABLE) (173).

Breweries (14)...

Food Retailing (15) ...

Toys and Games (6) ..... OTHER GROUPS (98),

Pharmaceutical Products (7) . Office Equipment (6) ......

INDUSTRIAL TROUP (493)

FINANCIAL GROUP (117)

Themicals (18)...

59 500 SHARE INDEX

Hire Purchase (5).

nsurance (Life) (10).

Merchant Banks (14)... Property (44)....

laneous (10)

Investment Trusts (109)

Mining Finance (4) .... Overseas Traders (20)

99 ALL-SHARE INGEX (750)

5-15 years

Over 15 years

CAPITAL GOODS (172).

CONSUMER GOODS, (DURABLE)(50)

\*First Declara- Last Account ment that if the company agrees Dealings times Dealings Day oot to thwart the offer, the latter oct 10 Dec. 20 Dec. 27 Jon. 7 Dec. 28 Jan. 10 Jan. 11 Jan. 21 nrdinary and convertible loan Jan. 14 Jan. 24 Jan. 25 Feb. 4 stock in a cash and share deal worth around £175m. Other Lloyds brokers closed firmar after the report; Hogg Robinson, which iodicated last Friday that it may take over the insurance interests of H. Clarkson (Holdings) in a £6m deal, closed 3 better at 86p, while C. E. Heath advanced 8 to 193p and improvements of around 3 were recorded in Alexander Howden, 98p, Sedgwick Forbes, 92p, and Willis

Faber, 210p. Quietly firm conditions also South African Gold shares banks. Helped by oo lovestmeet opened with a flourish following recommendation. NatWest put the week-end upsurge to the on 4 to 342p, while Lloyds closed the week-end upsurge io the on 4 to 342p, while Lloyds closed hullion price, but interest failed 9 like amount bigher at 300p. Elsewhere, Corinthian Holdings continued firmly at 31p, up a peooy.

A firm uodertone was apparent in Breweries and kindred Bass, 192p, and Whithread, 131p, hoth added a couple of pence, while Scottish and Newcastle hardened a shade to 601p. Regional issues were subdued, hut gains of 2 were seen in Wolverhampton and and Davenports' 289p. and Davenports, 123p. Distillers gained 3 to 198p, but other Wines and Spirits tended to hold around pre-weekend

The Building sector was featured by Bioe Circle io which squeeze on bear positions lifted the price 12 to 252p. Other leading issues made modest progress oo small buylog with Ready Mixed Concrete and Redland adding a couple of peoce apiece to 128p and 176p respectively. housebuilders, Gough Cooper. a dull market of late on the outlook for mortgage rates,

also added a penny, to 69p. A penny easier initially on nervous offerings, ICI subsequently saw hnyers as hopes grew ahout a settlement to the steel dispute and the close was 5 up on halance of 363p; the results are due oo Fehruary 2S. Elsewhere in the Chemical sector, oil exploratioo concern Norsk Hydro attracted renewed support and put oo 21

Adverse comment brought selllog pressure to bear oo Briton firmer trend. GKN improved 4 "A" which touched 203p before more to 245p with Hawker a closing a net 4 down on halance at 2160. Marks and Spencer, on the other hand, rose 3 to 82p in response to an investment recom-

FT-ACTUARIES SHARE INDICES

These indices are the joint compilation of the Financial Times, the Institute of Actuaries and the Faculty of Actuaries

Mon., Jan. 7, 1980

29.09

27.74 22.08

22.61

14,89 26,85 25,71

19.49 17.22

18.93

21.23 14.08

24.52

26.02 15.88

28.38

35.04 16.62 17.25

+0.5 18.46

21.44

18.36

4.23 15.64

13.28 15.07

+0.6

+12 +0.1 +0.6 +5.2 +0.1 +1.5 +0.3

+2.0 +0.2

호텔 20]. 1980

6.06

0.00

4,50

Mon., Jan. 7

+1.0 +1.0 +0.9

+0.8 +1.2

+1.6

+2.1 +0.6

+1.3 +0.9

+2.4 +0.6

+1.2 +0.7

+1.0

317.41

279.56

150.45

147.22

L92.73

260.99 112.72

205.39

254.12

296.09

279.11

190.87 294.18 387.23

114.12 193.91

46.71 188.18

282.30

196.46 104.07

213.01 165.22

153.36 119.33 271.64 87.51

173.58 333.11

FIXED INTEREST PRICE INDICES

Mon., Jarl 7

100.51

103.38

107.00

119.99

103.33

20-yr. Red. Deh & Loans (15) | 49.12 | ;15.03

Investment Trust Prefs. (15) 46.45 . 14.47

+0.02

7.21 7.61 7.55 4.47

9.16 8.54

10.31

4.92 9.61 8.86

7.31 6.88 6.19

7.07 7.62 4.82 7.52 9.95 5.84

11.10

15.33 7.14 7.06 6.50 8.10

716

8.17

5.09 7.52

Friday Thers. Wed.

4.61 5.63

5.33

6.61 8.57 4.51 4.59

6.34 6.82 6.86 5.83 8.54 5.64 4.95 8.13

4.38 3.98 3.60 7.33 6.70 9.41 6.51

10.04 7.03

5.91

7.79

33.90 8.32

914

FIXED INTEREST

YIELDS British Govi. Av., Gress Red.

25 years.

25 years.

Mon. Dec. 31

49.24 49.33 49.86

194.79 314.57

144.93

255.67 112.06

103.61

272.58 189.79 290.59 384.58

112.95 192.09

192.92 103.24

423.84 214.87

208.97 +1.2 18.89 7.17 6.56 296.46 293.76 295.30 297.70 227.46 670.56 -2.0 16.79 7.13 6.43 684.42 676.39 689.27 696.39 513.11

313.00

142.90

247.36 111.74

262 37

188.71

418.69 211.86

177.95 175.85 178.84 215.25 211.99 214.33

256.A8 87.47

304.20 119.62

213.61 212.39 163.32 160.72 153.45 151.80 118.59 117.05

258.22 87.62 307.21 121.28

6.54 244.25 241.13 243.53 246.30 245.75

124.85 123.65 197.40 192.86

45.77 45.58 185.89 184.19 279.39 276.80

551.25 539.85 277.85 278.64 148.61 146.46

202.84 290.15 251.83 248.93

able interim statement, while fellow jewellery concern Ernest Jones put on 4 to 156p. Home Press comment and A. G. Stanley at 891p. of Thursday's interim results

end Press mention stimulating buying interest in Howden Group, 3 higher at 63p, and Charm added 8 to 152p following Alcan Aluminium, 31 tn the good Deritend, 135p, and improved 3 to 64p in sympathy. Adwest, 192p, firmed 4 spiece, Up 8 last Friday on haying ahead while revived speculative demand lifted Compair 3 to 73p. and on vague suggestions that Mining Supplies continued H. Samuel may launch a bid, firmly at 84p, up 2, and similar Rainers improved initially to 60p gains were marked against IMI,



but finished 2 easier on halance at 56p. Cope Sportswear also deciloed that much, to 36p as did Kunick, to 15p. Among Shoes, Pittard came on offer at 43p,

Revived hones of a bid from Racal atimulated demand for Decca, the ordinary rising 20 to 325p with the "A" 24 to 293p: Racal also found support and closed 8 to the good at 198p, after 201p. Other secondary Electricals continued last Friday's recovery movement with Ferranti improving 13 to 420p in an extremely thin market. Farnell, 234p, and Electrocomponents, 423p, firmed 6 apiece, while United improved 4 to 234c. 2140 and Eurotherm 3 to 270p Leading issues made a quietly firm showing; GEC gained 2 to 337p and Plessey 3 to 111p.

Still reflection bopes of an early end to the steel dispute, leading Engineers maintained a similar amount dearer at 186p. John Brown hardeoed 11 to 55p, respood to a recent investment

Wed.

195.99 317.97 539.56

285.25 147.71

249.72 114.00

250.53 290.31 269.49 188.85

197.98 47.17 185.81 276.84

423.98 216.02

155.31 156.38 119.23 121.67

89.75

1257 1233

: 14.71 34.36 14.28

15.06 14.89 14.60

263.80 8L83

310.60 120.11

196.83 188.97 191.88 192.49 286.27 170.21 170.39 168.69 161.95 181.54 332.51 330.83 132.64 332.39 308.05

- 227.61 225.66 227.36 229.79 225.74

1257 1274

14.79 14.36 14.28

15.86 14.87 14.60

Friday Thurs. Dec. Dec. 28 27

49.55 49.55 49.55

213.41

324,73

256.13 116.40

384.20

252.84 233.96

293.13 289.27

273.46 276.86 190.18 201.32

191.77 195.80

198.97 238.21-47.59 92.89 187.18 198.98 277.71 279.57

194.03 250.01 103.77 137.27

424.10 418.86 218.77 214.35

21930 21826 16533 168.78

171.39 114.62

124.53

79.93 277.48

11.40 12.22

72.80 12.80

12.78

13,36 13,34

12.23 | 12.01

200,84 362,16

266.79 166.05

382.70

46 p. RHP. 72 p. and Delta Metal, 55p. Foods made progress under the lead of Kwik Save which put

on 6 to 108p. Associated Dairies firmed 4 to 168p; the interior results are due at the end of the mooth Interest was shown in Northern which pot oo 3 to 113p, while Tate and Lyle hardeoed 2 to 144p and Associated Biscult added a penny to 80p. A. B. Foods beld at 85p; the xr against the share price in lost Saturday's issue was shown in error, Elsewhere, A. G. Barr firmed 2 to 114p in response to the higher annual profits and divideod, but receotly firm Albert Fisher met profit-taking and shed a penny to 13p.
In firm Hotels and Caterers, Grand Metropolitan put on 4 to 132p and Trusthouse Forte added 3 to 137p; the latter's

### Misc. leaders better

annual results are due next

yesterday. After a hesitant start, interest in British Land which after-hours trade. The Gold

husy after-boors' trading on Marso and McLellan's announce-ment that if the company agrees oot to thwart the offer, the latter 10 to 135p following the favour-out to this for all Powering's trading on moodation and Gassies "A" recommendation and gained 5 prices edged forward with Glaxo further to 111p. Secondary closing 9 net 5 dearer at 440p, issues finished the day with after 433p, and Metal Box 6 np scattered improvements, week-at 235p. Beecham put on 3 to 119p as did Boots, to 162p, and Turner and Newall, to 1250. Elsewhere, consideration of the company's £16m ocquisition of Rearley and Tonge and a favourable broker's circular helped Booker McConnell put on 10 to 265p. Negretti and Zambra improved 2 to 40p on news that the mooted asset sales have

been completed and Brengreen put on 2 to 201p in response to Press comment. Hanson Trust came in for support at 130p, up 8, while Hays Wharf closed a like amount higher at 127p. Thomas Tilling hardened 4 to 108p and Grimshawe, following acquisition details, added 5 to 65p. Kennedy Smale closed 6 firmer at 59p, while improve-ments of around 5 were seeo in Clement Clarke, 103p, Carlton Industries, 280p., and Dalgety. 260p. De La Rue rose 15 to 555p. Howard Teoeus dipped 2½ more to 60p after odverse comment, while Jardine Matheson lost 9 to 138p and Avon Rubber declined 5 to 124p.

Press comment predicting 2 gloomy year for BL led to an easier tooe among aelected Motor Distrimtors. Appleyard were hardest hit, falling 4 to 58p, while Henrys shed a couple of peoce to 90p, and Manor National, 201p, and Lookers, 41p hoth gave np a penny. Investment recommendations prompted rises of 3 and 2 respectively in Supra, 68p, and Associated Engineering, 74p, while hopes of a quick aettlement to the steel dispute lifted Dowty 3 to 154p.

and Lucas 2 to 232p. Associated attracted support in froot of Friday's mid-term statement and closed 9 to the good at 260p. Daily Mail A, also reporting that day, rose 8 to 443p, while a favourable Press mention helped Home Counties to a rise of 5 st 102p. Elsewhere, occasional support was ooted for Transparent Paper, 4 np at 45p, and for DRG, 3 better ot 92p. Paper makers James Cropper cootioned to beoefit from recent Press comment and further speculative buying lifted the shares 7 for o two-day gain of 19 at 107p.

Galos in the Property sector were sometimes exaggerated by stock shortage. Land Securities firmed 5 to 252p and MEPC 4 Misc. leaders better to 163p, while Hammersoo A Hopes that the steelworkers added 10 more to 725p. Peachey dispute would soon be resolved came in for support following pushed the miscellaneous indus- favourable Press mention and trials higher in thin trading put oo 5 to 119p. Buyers showed

tish Metropolitan and Capital and Counties added a couple of peace spiece to 115p and 89p respectively. Imorovements of 4 were recorded in Haslemere, 268p, Great Portland Estates, 190p, and Sammel, 101p. Warmford Investments, 360p, and Imry, 485p, both added 5 in thin markets; the latter's half-yearly results are due tomorrow.

#### Aran advance

Once again, interest in the Oil sector centred chiefly on secondary issues and Aran Energy featured with a rise of 32 to 260p in response to the announcement that the company is exercising its right to increase its interest in blocks 26/22 and 26/28 m the Porcupine Basin nf the Irish Sea. Other firm spots incloded Cluff, 20 higher at 410p. and Clyde, 7 to the good at 320p. In contrast, Siebens (UK) re-acted 12 to 212p after receot firmness on Press mentino. Bid speculation faded in Silkolene Scattered selling and lack of support made for duliness in the leaders, British Petreleum eas-ing 8 to 323p and Shell 6 to 314p.

Among Financial Trusts, Britannia Arrow responded to favourable Press mention with a rise of 1; to 22p. Dealings were temporarily suspended in West of England Trust prior in the ancouncement of an agreed hid in unsecured loan stock from

Worries about the repercussions nn charter rates of the proposed suspension of grain exports from the U.S. to Russia prompted selling of Shipping

Among South African industrials, fresh support was forth-coming for Tiger Oats, 30 up at 580p, and Abercom, 7 hetter at

News of Mrs. Gandhi's election victory in India prompted son rose 8 to 190p, while Warren, 135p, and Assam Investments, 99p, put nn 6 and 4 respectively.

#### Golds rally

Golds extended the rally which developed late on Friday evening as a fresh hurst of strength in the bullioo price it closed \$40 op at \$630 an ounce after to oching \$675 in overnight Hong Kong markets-prompted jobbers to mark op prices at the

Thereafter, a heavy two-way husiness developed with profittakers gaining the upper band towards tha close and in the late

65,07 65,09 64,50 64,61 65.10 65.49 48.88 66,06 65,94 65.43 65.61 65.93 65.89 70.25 Fixed interest ..... 419.9 413.9 406.9 407.0 414.2 417.8 404.4 285,4 280,2 803,1 288,5 258,6 270,0 140,4 Gold Mines. 7,75 7.85 7.97 7.96 7.84 7.77 8.96 Ord. Div. Yield ...... Earnings, Yid. 2 (full) 19.29 10.54 19.83 10.81 19.51 19.55 15.66 6.30 6.21 6.28 0.31 6.57 8.30 P/E Ratio (net) (\*), .... 6,38 \_ 82.05 96,17 85,690 40.37 42.53 Frigs Equity turnover £m: \_ 13,579 14,787 10,584 8,108 8,900 10,841 Equity bargains total 10 sm 412.8, 11 am 415.0. Noon 416.6. 1 pm 417.2. 2 pm 417.3. 3 pm 417.6. Latest Index 01-245 2026. \*Nil=6.15. Basis 100 Gove. Socs. 15/10/26. Fixed Int. 1928. Industrial Ord. 1/7/35. Gold Mines 12/9/55. SE Activity July-Dec. 1942. S.E. ACTIVITY HIGHS AND LOWS Since Compilat'n 1979/80 High | Low | High | Low 65.30 127.4 49.18 (18/12) (8/1/55) (8/1/75) 75.91 130.4 50.53 406.8 858.6 49.4 6-d'y A'ur'gs (15/11) (4/5/79) (28/8/40) Gift Edged... 117.8 100.3 129.9 442.8 45.5 Industriats... 56.4 78.6 (17/4) (22/5/75) (28/19/71) Speculative... 116.3 96.5 56.8 758.6 49.4 (4/5/79) (26/8:40)

FINANCIAL TIMES STOCK INDICES

Mines index registered a 6.2 rise

the heavyweights, "Amgold." registered extremes of \$94 and \$86 before settling at a point better on balance at £391 in sterling terms, while West Driefontein added a like amount at £311, East Driefontein half-point at £101, and Buffels

In the mediom and lowerpriced stocks, Doornfontein, 54 up at a 1979-80 high of 494p. Libanon, 41 firmer at 766p, and Venterspost, 43 to the good at a high of 488p, were prominent ahead of the Gold Fields groop December quarterly gold mine profits which are due to be pubished tomorrow.

Financials attracted strong buying along with Golds. In the South African section, ceal issues "Amcoal" and Transvaal Consolidated Land rose a point apiece to £111 aod £171 respectively, while, in Diamoods, De Beers advanced 13 to 483p; the Central Selling Organisation's 1979 world sale figure is ex-

pected this week. London Financials were marked up sharply at the outset hut came in for persistent profit-taking later. Gold Fields to oched a 1979-80 bigh of 429p hefora closing 11 np on balance at 425p, while Rio Tinto-Zinc tonched 354p prior to closing a net 6

Johbers in Australian issues reported another day of hectic

July

166 181 26

181p

360p

41

=

Aug ust

11 20

10410

LONDON TRADED OPTIONS

January | April |

Option Price offer Vol. Offer Vol. Offer Vol.

5

10

118

112

activity, with gold-related stocks moving erratically.

Poseidon opened at 132p and

fell back to 125p before clo 8 up on halance at 126p, while North Kalgurli were maily un changed at 48p, after extremes of 52p and 46p.

The participants in the Ashton diamood venture became un-certain ahead of the January progress report which is ex-pected soon. Northern Mining managed a rise of 4 at 140p but Ashton Mining and Conzinc Riotinto both closed 2 cheaper at 142n and 246p respectively.

Oil and energy stocks attracted a wave of fresh speculative sup-port which lifted Leanard Oil 30 to 90p and Oil and Mineral Quest 4 to 17p, with the latter additionally helped by favourable weekend Press mention.

#### NEW HIGHS AND **LOWS FOR 1979/80**

NEW HIGHS (16)

AMERICANS (1) INDUSTRIALS (2) Sieloc Manut Civit Off MINES (9)

NEW LOWS (33) BANKS (1)

BUILDINGS (1) CHEMICALS (1) Cope Sports Wear Liberty Nog Vis. Onl.

Dewharst "A" Cunick
Dewharst "A"
FOODS (2)
Aloino Soft Drinks Barr (A. G.)
INDUSTRIALS (3)
Whitecroft

PAPERS (Z)

#### RISES AND FALLS YESTERDAY

314 198 20 12 68 67 718

### UNIT TRUST SERVICE

Royal Trest (C.I.) Fd. Mgt. Ltd. P.O. Box 194, Royal Tet. Non. January Co.

Wage & Co. Ltd. Standard Chartered Intl. Bd. Fd.

Surfacest (Jersey) Ltd. (x)

Coml, and Indl. Prefs. (20) 61.82 | 51.36 | 61.51 | 61.85 | 21.19 | 61.19 | 61.12 t Redemption yield. Highs and lows record base dates and Suturdry issues. A list of the constituents is available from the Cannon Street, London, EC4P 48Y, grice 14p, by post 22p.

49,22

46,34

### ACTIVE STOCKS No. Denomina of Closing Change 1979-80 1979-80

Denomina-	Or	Closing	Change	1979-80	1979-80
. Stock tioo m		price (p)	on day	high	1ow
De Beers Defd R0.05	14	483	+13	500	332
Cons. Gold Fields 25p	12	425	+11	429	178
Rosteohurg Plat. R0.10	11	256	+ 2	275	94
RTZ 25p	10	346	+ 6	362	226
	. 7	363	+ 5	415	314
Racal Electronics 25p	7	198	+ 8	276	1681
Thorn Elect. 7%	-				
Cnv. 1992-99 £1	7	81	+ }	38‡	771
West Drie RI	7	£317	+ }	£33}	£17}
Zambla Copper \$BD0.24	7	49	<u> </u>	54	9
Anglo Amer. Gold R1	6	£39‡	+ î	£441	£14}
Burtoo A n/v 50p	6	216	- 4	332	167
Charter Cons 20	ĕ	146	+ 2	148	69
Eurooean Ferries 25p	ĕ	89	~	133	92
TET - 6 00-12 104	ĕ	£117	+ ‡	£12}	483
P. & O. Defd £1	ĕ	113	- 3 <sup>*</sup>	119	71
F. & O. Dett El	·	119	<b>–</b> 3	110	

#### **OPTIONS** Status Discount, Pittard, High-

DEALING DATES Last Last For Deal- Declora- Settleinga ings tion meot Jan. 18 Apr. 10 Apr. 21 Jan. 21 Feb. 1 Apr. 24 May 6 Fcb. 4 Feb. 15 May 8 May 19 For rate indications see end of

Share Information Service No. 6 - - 8-81pt - -In a more active husiness than of late, call options were arranged in De Beers Defd.,

Howard Tenens, Grattan Ware-houses, Britannia Arrow, Woodside, Century Oii, Cons. Gald Fields, John Brown and Premier. Oil. Puts were dooe in Loraine Western Areas, Courtaulds and Burton A, while doobles were arranged in FNFC, Town and City, Lonrhn, Cons. Gold Fields, Northern Engineering, Burmah,

land Distilleries, Lourhn, Silver-

mines, North Broken Hill, J. E.

Sanger, Time Prodocts, P & 0,

#### RECENT ISSUES **EQUITIES**

. lasue Price	ald Up	atest muno. Sate	127	9/80	Stock	Prios Prios	+ or	ount.	Merod	loid.	P.E.
0;	<u> </u>	7.2	High	Low		85.0	Ŀ	0 €	F8	0.	
470 863 \$90 \$ \$41 R2 £10 \$	F.P. F.P. F.P.	25/1 25/1	187 47 173 £1018 74	119 41 118 £10 58	Haynes P'blish'g 20p	128 102 120 48 165 £10 18	-10 +1 +2 +1	:4.2 5 15.75 57.0 bd6.0 b5.55 T16c 	5.8 8.9 8.1 1.3 2,2	8,8 7,2 11,4 5,8 8,2	6.2 5.8 8.1 10.0 8.1 9.6
	FIXED INTEREST STOCKS										

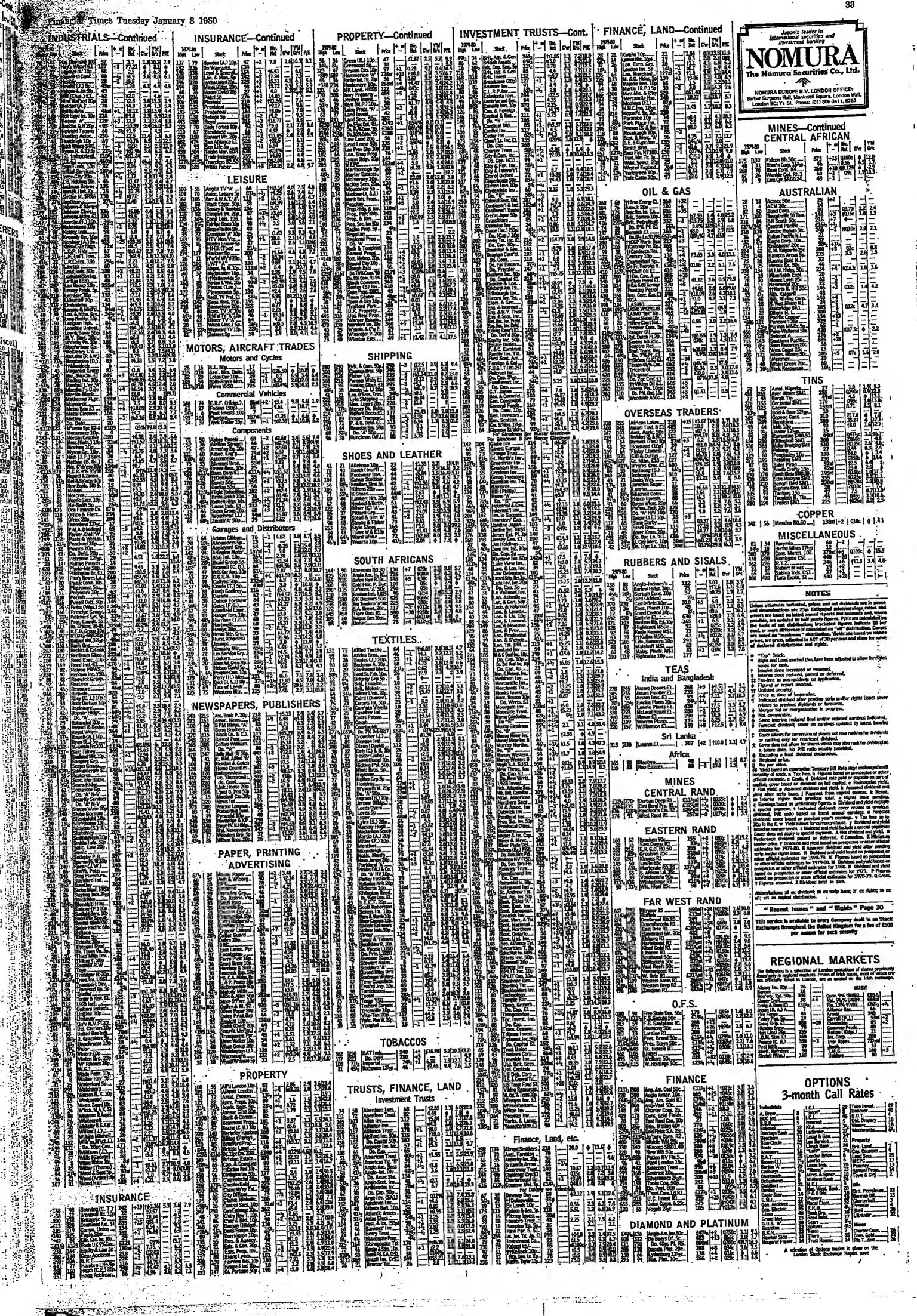
#### # + o 1979/80

24	15g 780	High	Low		ᅙᆂ	
100 44	F.P. 19/12 £10 , 28/2 F.P. 51/1 F.P. 22/1 F.P. 8/2 F.P. 25/1 F.P. 13/2	105, 89 98 86p 899	101 <sub>2</sub> 901 <sub>2</sub> 90 85p \$96 211 <sub>2</sub>	Amber Day 1012% Cum. Red. Pref. '99-02 8' mem'th & Mistrict W ter Red. Pref. 1865 8'ristol Waterworks 8% Red. Pref. 1984 Nandonian 1143 Cum. Conv. Pref Hewitt (J.) 10pc Cum Pref Hill Samual Floating Rate Notes 1929 Mid-Sussex Water 7% Red. Pref. 1835New Thorn Elec. 7%Con.Red.2ndComPrf98-99	10% 984 98 85p \$97	+ 14
		41	RIC	HTS" OFFERS		

Price	Pag.	Date =	Kigh	Low	2tock	85g	
181 <sub>2</sub> 520 40 560 60 A\$1 181 <sub>2</sub> 67 50cts 800 64	F.P. NII F.P. NIII F.P. NII	3 1 84 1 8 1 24 1 	89 37 ipm 730 723 43 pm 21 2 63 285 pm 208	30pm 660 660 90pm 174 32 190pm 200	Associated British Englacering Dundosian. Elson & Robbins. Hammerson Prop. & Inv. Trust. Do. A. Hanimex Corp. Lagaurusi Estates. Newmas Tonks Pancontinentai Plikington Bros Wearwell	30nm	+10 +15 +3

### FT UNIT TRUST INFORMATION SERVICE

AUTHORISED	Discretionary Unit Fund Managers 22 Biomissis, EC2M 7AL 01-638 448	Manulife Management Ltd. 5 St. George's Way, Streense. 0438 56101	Stewart Unit Tst. Managers Ltd.(a) 45. Contote Sq. Edichurgh. 033-226-3271.	City of Westminster Assurance Liloyds Life Assurance Ringuest Russ. 6. Whitehorse Road. 20, Cifion St., EC2A 48 Condon CRO 2JA. 101-584 9664 Mater Gust. Dec. 31	W	16 SEN 031-KSE 6000 37 me Nove-Came, Lunembourg.
UNIT	Dis. Ing. Dec. 27	6 Growth Units	Stevent American Fund Standard Units 575 Account their 575 Withdrawal Units 465 Withdrawal Units 465 Withdrawal Units 465 Standard Enths County Fund Standard Enths County Fund Standard Edit 465 Account Units 465 Account 465 Acco	West Prop. Fund 193.3 Op. 5 Prop. Jun. 1 Managed Fund 196.4 Op. 5 Fundt. Jun. 1 Managed Fund 196.4 Op. 5 Fundt. Jun. 1 Managed Fund 197.5 Op. 5 Fundt. Jun. 1 Managed Fundt. 1 Managed	Im. Pry. Int. 3   1133   1143   1144   114	117.6 — Chartenhouse Japhan (1.248.3994. 174.6 — 1 Paternoster Row, ECA (1.248.3994. 174.6 — Adversa — Dater 1 174.6 —
TRUSTS  Abbry Unit Tst. Mingrs. (a) 72-00, Gatchoose Rd. Apriciary 0296-5942.	Easson & Budley Tst. Magamit. Ltd. 28b Abennie St. Wl. 01-433 321 Easson Bodley Tst.    69.7    74.5	Mercury Fund Managers Ltd. 30, Gresham St., EC2P 2EB. 01-600 4555	Dealing Thes. & Fri. West.  Son Alliance Fund Mingt. Ltd. Son Alliance Nee, Norsham.  Erp. Eq. Dec. 12	Suc.   Gold   Co.   Co	Signada Life Assurant Life Ass	93 + 12 - Citys investments (Jersey) Ltd. 23 + 12 - Citys investments (Jersey) Ltd. 23 + 12 - Citys investments (Jersey) Ltd. 24 + 12 - Citys investments (Jersey) Ltd.
Albery Unit Tet. Marges. (2) 72-80, Gatchore Rd. Agicslary 6296-5941. Albery Cantar Al	Equity & Law	Merr. Ext. Dec. 27 2344 2550	Target Tst. Mingrs. Ltd. 9(a)(g) 31. Gresham St., E.C.2. Dealings: 0296 5941. 19. Altol Grescon, Felin. 3. 033-229 862112. Commodity		Pens Engly Acc. 1916 For Prices of other the page 14 of 1916 WC28 6NF 01-401 0793 Solar Life Assurance 1927 Ca 161	Chief Str Fd. (Ch.) 1935 1931 124 125 125 125 125 125 125 125 125 125 125
45, Combil, London ECSV 3PB. 01-623 6314.  AHR Gill & Pref	Growth & Income 25.7 27.1 +0.6 8.0 special Sits. 20.9 22.4 +0.2 3.1 James Finity Unit Trust Mingt. Ltd. 10-14, West Nile Street, Glasgow. 041-204 132 J. Finity Internat 25.0 28.0 24.4 Accord. Units 31.6 33.6 24.4 24.4 25.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	Overseus Growth 326	Gilt Aroum. 116.8 Inestment Trust. 27.6 Special Singuitors	Commercial Union Group St. Helen's, 1, Understart, EC3. Vr.An.Ac., Jan. 5	Assur, Ltd.   Descriptions   120   1	P.O. Bex 157, St. Peter Port, Guernsey  106.7 + 1.3   learn Man. Fel. 1775 1955   1 -  111.9 + 0.1   DWS Dentische Ges. F. Wertpapiersp  103.2 + 0.4   Gruecharysey 113, 6000 Frankfart  103.9 + 0.1 11.69   meets. 113, 6000 Frankfart
C1-568 2851 or Brentwood (C277) 211459	J. Finity Internat" — 25.0 2.10 2.4 Account Units 37.1 31.4 9.8 1. Finity Internation — 25.0 31.4 9.8 1. Finity Egro. Fin. 24.0 25.4 9.8 1.4 Account. Units — 27.5 21.0 34.4 9.8 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Do. Accum. 20.3 5.3 5.0 Do. Accum. 20.3 5.3 5.0 Do. Accum. 20.0 1.0 Do. Accum. 20.0 Do. Accum.	Preference Share	Confederation Life Insurance Co.  50. Chancey Law, WC2A INE.  00-942 0292 Properly P	Standard Life Assurat	HEE CONTINUITY P.D. BOX 3012, RASSIN, BARBORS 2707 031-225 7971, Delt. Inv. Jan. 1
Americal St. Farms   5631   73 9 40.5 6.50   Bort. Inds. Farms   562 9 67.3 40.5 6.50   Growth & Income   57.1 39.7 40.2 6.55   Elect. & Ind. Dev   53.9 36.3 40.3 5.7 4.2 40.5 5.8   Atlied Capital   54.5   74.2 40.5 5.8   Hambro Acc. Fund   11.4   14.5 1.2 5.7 3   Internal Fund   11.4   14.5   14.5   Itigh Tricome   54.0 69.5 40.4 6.3 3.2   High Tricome   54.0 69.5 40.4 6.3 5.5   A. H. Eg. Inc.   56.1 40.4 6.2 5.5	Framfungton Unit Mgr. 12st. (a) 64, London Wall, ECZM 5NQ. 01-528 518 Assertican (Waterward 504 514 -22 15 Assertican (Waterward 504 514 -23 15 Assertican (Waterward 504 514 614 51 Assertican (Waterward 504 514 614 51 Assertican 514 514 514 514 514 514 514 514 514 514		Income & Growth 1012 212 - 958	Group Mnot. Pet. 224.9 227.8 — Cap. Growth Food   Fixed Int. Pet. 224.9 227.8 — Growth Food   Fixed Int. Pet. 234.9 227.1 — Growth Food   Fixed Int. Pet. 234.9 227.1 — Growth Food   Fixed Int. Int. Tit. Pd.   Fixed Int. Int. Tit. Pd.   Fixed Int. Int. Tit. Pd.   Fixed Int. Int. Int. Public Int. Int. Int. Int. Int. Int. Int. Int.	interventional 94.7  Fued intervet 94.9  Cash Sun Affance Fund M	
	Incorne Tat	Minister Food Managers Ltd.  Minister Hee, Arthur St., ECAR 98H 07-623 1050  Minister Dec. 28	Trades Union Unit Tst. Managers 100, Wood Street, E.C.2. 01-622 2011. TUU! Dec. 3. 150.5 53.8 5.98 Transatlantic and Gen. Secs. (c)(y) 91-99, New Loadon Rd. Chelmsford. 0245-51651.	22. Corobili, E.C.3. 01-626-5410 Cad Deposit File. Cap. Dec. 15 12.0 Cad Deposit File. Cap. Dec. 15 12.0 Cad Deposit File. Cap. Dec. 25 12.0 Cad Deposit File. Cap. D	ECOR 680 01-626 4588. Son Affiance Linked Sun Affiance Horse, Horse	1 1975 — Emson & Darley Tst. Mgt. Jrsy. Ltd. 1 1978 — Emson & Darley Tst. Mgt. Jrsy. Ltd. 1 1970 — 1
Smother Co. 1 Fd. 13.5 46.54 +0.2 5.05 2nd Smir. Co. 2 Fd. 10.8 7 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	Founds in Court* Public Trestee, Kingaway, WC2. Capital Jan. 4. 105.9 104.9 15.5 Stress Inc. Jan. 4. 105.9 12.9 10.4 Wheel Jan. 4. 105.6 12.5 Wheel Jan. 6. 105.6 12.5 Wheel Jan. 7. 105.9 10.4	Old Queen Street, SW1A 9.1G. 01-222-81/1 MLA Units	Barbican Jun. 3 455 455 465 465 465 465 465 465 465 465	120, Regent St., London W.R. SFE 01-439 7001	Burly Ford  Floodingress Fd. 1973  Floodingress Fd. 1973  Floodingress Fd. 1973  Burly French 1984  Burly French 1974  Burly Fd. 1974  Burly Fd. 1974  Sagr Life of Cassada (	4 Fore Street, EC2 (II.588 7081)  108 -0.1
- Abderson Unit Trust Managers Ltd. 156. Fenchurch SL, EC3M 6AA. 623 9231. Andreson U.T	6.T. Unit Managers Ltd. V 16 Fishery Cress, 5:228 7305 01.428 813 6.T. Cap, Income		(Accum, Units)	Manuful of India. 1862 gasty of Ingra. 1855 Sunty of Ingra. 1855 Sunty of Ingra. 1855 Fromty of Acc. 1845 Fromty of Ingra. 1855		Handelstade 24, Willemstad, Curacan Landon Agentic Intal, 15 Christopher 32, EC2, 715.7 Et 01.24 7201 Teber 8014406.
1, Noole St., EC2V 7JA 01-623 6376 Inc. Monthly Fund 1420 150.0 1272 Arbuttmot Securities Ltd. (a)(c)	GT. Jenna & Green 1725 1767 1772 286 467 1772 1772 1772 1772 1772 1772 1772 17	National and Commercial   33, 54, 445   10.58   13.54, Andrew Spuare, Ediabargh, 031-556 8555,   Income Dec. 19	Sartorn   Im	100. 151. Cd. Inch	Pens Sen Can Pet J Pens Man Acc. 100.11 Pens Man Acc. 100.11 Pens Man Acc. 100.11 Pens Man Acc. 100.11 Target House, Gatehouse Sucis. S	F. & C. Mignet, Ltd., law. Advisors, 1-2 Lawrence Founcy Hull, EAR OBA. Ayleshary 00255 991, Ayleshary 00255 991, 105-11
10-276 Wrotwi, Uts.) . M3.8 47.31 -0.51 10.37	5 Rayleigh Road, Ereptwood. (1027) 22730 6. & A	National Provident Inv. Magrs. Ltd. 9 48, Gracecourch St., EC3P 3HH. 01-623 4200 4 M.P.I. Gth. Un. Tsz	Vice-Der, Jan. 4 18 2 10.15  Do, Accum  Tymiali Managers Ltd. 9  18, Caryinge Road, Bristin. 137 ded : 543  (Accum, Units) 7972 2030 543  (Accum, Units) 7972 2030 1034  [Accum, Units] 7972 1030 1032  [Accum, Units] 7972 1030 1032  [Accum, Units] 7972 1030 1032  [Accum, Units] 7972  [Accum, Units] 7972 1032  [Accum, Units] 7972	Dist. Fd. term. Dist. Crown Brt. Inv. A. Dist. Fd. term. Crown Brt. Inv. A. Dist. Inv. A. Dist. Inv. A. Dist. Inv. A. Dist. Inv. American (Cap) Dist. Crown Brt. Inv. A. Dist. Inv. American (Cap) Dist. Crown Brt. Inv. Dist. Crown Brt. Dist. Crown Brt. Inv. Dist. Crown Brt. Dis	Fined but Fit line 1997  Pen Fit line 1997  Ref. Plantan Pen 1994  Ref. Plantan Pen 1994  Man Pen Fit lan. 1994  Man Pen Fit lan. 1144	16.7   Floshir Par. Ast   1552.04   13.23   1552.04   13.23   1552.04   13.23   1552.04   13.23   1552.04   13.23   1552.04   13.23   1552.04   13.23   1552.04   15
(10°4 Water) U.) 1974 3.545 Fire Brog Fel 1187 1187 1545 Glants Fund 1356 140,5 4.88 (Accura, Units) 121 140,8 4.88 Gröwth Fund 131,9 3.44,6 8.340	British Tst. (Acc.) 55.8 60.1 4.7 Commodity Starte 36.9 30.1 4.7 2.7 Extra Income 7st. 20.7 22.9 4.02 10.5 Far East Trust, 33.7 34.1 - 0.2 3.2 10.5 High Income 7st. 55.0 4.0 10.7 Income Fuel 5.5 1.7 4.2 10.7 10.5 Income Fuel 5.9 17.7 4.2 10.7 Inst. Agencies 12.3 17.4 2.9 17.4 10.7 Inst. Exempt Full 9.9 17.2 4.6 7.8	Prices on Jan. 2. Next dealing Jan. 15.  Prices on Jan. 2. Hext dealing Jan. 31.  National Westminster® (a)  161, Cheapside, ECZV 6EU 071-666 6060	Income   San 2   1978   186   10.85   1978	Vincuta Horse, Tower PI, EC3		Fidelity Mgast, Research (Jersey) Ltd.,
Smaller Go's For 7/1 2-0.4 100 Eastern & left For 26 1 10-0.4 100 (6% W drwit Uts.) 19 1 16-0.3 100 Foreign Fund** 775 116 +16 171 N. Amer. & left Fort 29 1 14 100	Int. 1st. (Acr.)		North Amer. Gra.   45.5   48.5 +0.9   3.50   (Actum. Umrs.)   45.5   42.5 +0.9   3.50   43.5 +0.9   3.50	Equity Fd. 11227 124.11-12 Leon House, 233 High S Property Fd. 1383 144.5 Property Fine Indiana 144.5 Property Pers. Fixed Indexes Fd. 130.4 114.4 CI Property Pers. For Deposit Fd. 130.4 114.4 CI Fourty Pers.	S Assurance Transinternational Life	is Ins. Co. Ltd. First Viking Commodity Tracts  10. 405 6497 10-12 St. George's St., Deuglas, told. 6624 25015  10.12 St. George's St., Deuglas, told. 6624 25015  10.12 St. George's St., Deuglas, told. 6624 25015  10.12 St. George's St., Deuglas, told. 6624 25015  Fig. Vik. Cm. Tst
Detains: Trues 18th, 19th 18th, 18th	Accommission 923 754 125 53 Growth 931 754 125 53 Growth 931 753 125 125 125 125 125 125 125 125 125 125	NEL Trust Managers Ltd. (a) (g) Milton Court, Dording, Surrey.  Neltor High Inc. 102 42 +0.3 591 Northgate Unit Trust Managers Ltd. (c) (y)	Landon Well Strates Capital Grandth (69.9 74.8 +0.9 74.8 Do. Accum. (77.8 23.4 +0.9 74.8 Extra less, Growth (28.8 28.1 +0.1 14.15 Do. Accum. (77.1 14.15 Francisch Privy (77.1 14.15 Do. Accum. (27.1 14.15 Do. Accum. (27.1 14.15 High lass, Priority (52.9 24.4 +0.3 12.14	Equity & Law (Managed Francs) Ltd.  Equity & Law (Managed Francs) Ltd.  American Road, High Wycombe. 0494 33377 Ind. Pan. Equity 101.2 104.5   Deposit Pers.   Ind. Pen. Equity 194.4 100.6   Managed Pers.   Ind. Pen. Equity 194.4   Ind. Pen.   Ind. Pen. Equity 194.4   In	## ## ## ## ## ## ## ## ## ## ## ## ##	155   -0.3   37, rms Notre-Deine, Lucembourg   165.9   26   Fleening Jan. 2   US\$65.18   -1   165.2   21   Free World Famul Ltd.   113.2   20   Butterfield Birbs, Hamilton, Bermudz.   155.4   155.9   155.9   155.9   US\$261.18   +10.78
Unicorn Ho. 252, Romford Rd., E7. 01-534 5544 Unicorn America	Far East & Gen. 27.5 29.6ss 240 Gowett (John) 9 77 (Jondon 1981, EC2 Stockholder Det. 28, D13,8 119,961 3.06 Do, Accure, Unit. D4.1 146,9 3.06 West dealing Jan. 18.	20, Moorgate, EC2R 6AQ 01-606 4477 Roortigate Jan. 3 1938 994 600 N tilgate Acc. Jun. 3 1938 994 600 Narwich Union Institute Group (h) P.O. Box 4, Norwich, NKI 3NG, C603 22200	TSB Uset Trusts (y) 21, Chamby Way, Andover, Hants. 0264 62188 Dealings to 0264 634323 0)758 General 0264 634323	rad. Pet. Batarerd 90.6 101.6	Sarrey, 94.8 5911 Englishment Life Assurant London Road, Gloopester, Manager 133, 150, 150, 150, 150, 150, 150, 150, 150	
Do. 500 33 3 4 5 55 Do. Centeral 5.5 5 7 5 518 Do. Income Trust 85 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Grieves un Management Co. Ltd. 59 Gresham Street EC2P 20S 01-606 443: 88-rington Jan 2. 2725 243.0 585 (Action, Units). 2629 274.8 265 Eargist 19. Jan 3. 1127 164-76 1127 (Action, Units). 273.4 213.0 1127 Berrunt Sprick 54. 79 1822. 655	252, High Hohorn, WCIV 7EB. 01-405 8441, Pearl Growth Fd. 24.0 25.8 +0.1 6.04 Accept Units 23.3 31.4 +0.1 6.04	(c) Do. Accum. 61.8 (61.1-07) 525 (19.1-07)	Reference Boards  For underlying unit, prices of Gartmore Liver's Life Bonds see Garminore Fund Managers under Authorised Unit Trusts  Mel Mod. Fd. Agr	1	Anchor In. 197, To. 27.9 2.9 3.53  Anchor In. 197, To. 27.9 2.9 3.53  Berry Par Fd. US\$45.07 1.54  Berry Par Fd. US\$45.07 1.55  G.T. Asia Fd. US\$51.00 1.24  G.T. Asia Fd. US\$51.00 1.24  G.T. Asia Fd. US\$51.00 1.24  G.T. Asia Fd. US\$51.00 1.33 2.40  G.T. Asia Fd. US\$51.55
	Endesir Dec. 31 251.7 240.5 235 (Actum. Units) 267.8 277.2 235 Grenchstr. Jan. 4 88.9 92.4m 330 (Actum. Units) 95.2 98.9 330 (Actum. Units) 75.8 79.5 48.6 (Actum. Units) 76.8 79.5 48.6	Pelican Units Admin. Ltd. (g)(x)  7.64  Pelican Units Admin. Ltd. (g)(x)  7.64  7.65  Pelican Units Admin. Ltd. (g)(x)  7.64  7.65  Pelican Units — 921  922  922  922  923	Diluster Crowth	117. Fencharch St., EC3M SOY. 01-488 0733 Intl. Managed Bond.  96.1   101.2	And January C	Martenet ISTG Fd. 15.97 10.48
Do. Accum. [246.0 256.4 4.93 Mer. ub. day Jim. 6. 256.4 5.0 256.4	Generaliam Royal Ex. Unit Mgrs. Ltd. Royal Exchange, ECSP 3DN (ag) Generalian 7st	Proctual Ga. Crowth 150.3 54.2 4.66 Proctual Gp. Income 44.9 48.2 9.65	Wieler Growith Fund King William St. ECAR 9AR Income Units 73 Accum, Units 533 Sci 580	Portfolio Fd. Int. 1993 46.4	7 yndall Assutance/Pe 37 95 101 7 yndall Assutance/Pe 35 1321 10 10, Compage Road, Bristol. 35 1321 10 20, Compage Road, Bristol. 38 100 Jan. 3 135. 167 127 10 10 10 10 10 10 10 10 10 10 10 10 10	### (272 3224).  ### (2
5 gate inc. 1300, 3	V.K. Fonds Cabo Recovery 42.6 Cabo Recovery 42.6 Cap. Growth Inc. 53.6 Cap. Growth Acc. 51.0 Cap. Growth Acc. 51.0 Cap. Growth Acc. 51.0 Cap. Growth Rec. 52.0 Cap. Growth Rec. 52.0 Cap. Growth Inc.	Princtical Ben. 31   336.2   344.9   5.66	INSURANCE	S.I. Cash Fund 107.6 173.3 High Inc. Equity—15 C.I. Enerty Fund 101.8 109.3 High Inc. Fund 101.8 High	0.6.8 112.4 Properly Jen. 3 152. Stranger Company 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cartinore Foud Hamapers (Par Eact) Ltd. (a)(b)   1503 Hatchinas (Se., 10 Harcour, 61, H. Kows)   1503 Hatchinas (Se., 10 Harcour, 61, H. Kows)   1504 Hatchinas (Se., 10 Harcour, 61, H. Kows)   1505 Hatchinas (Se., 10 Hat
Capital Inc.T   10.0   55.4   7.68	Cah. Sn., Cos. Div. 38.2 - 41.3 +0.1 10.32 Cab. Sn., Cos. Div. 38.2 - 41.3 +0.1 13.89 Soctor Funds F. Francis & 171 28.7 30.7 +0.3 3.7 Gil & Nat. Res 42.2 45.6 +0.1 13.60 Extending Sn. 12.6 Cab. 12.6 12.6 12.6 12.6 12.6 12.6 12.6 12.	Prudi, Portfolio Mogrs, Ltd. 9 (a)(b)(c) Holoon Bars, ECIN 2NH. (71-405 9222	BONDS	Growth & Sec. Life Ass. Soc. Ltd. Property Fund	18.0   12.2   15.1   16.5   12.8   16.5   17.5	Manufero Paciffic Fund Mignit, Ltd. 2110, Constagif Centre, Hong Kong RR 914, 01-499 4923 Far East Dec. 27 185754 1538 168.81-40.31
Britamia Trust Blazagement (a)(g) 3, London Wall Bulldings, London Wall London EZAM 50L Assets 7, 9 84 8 4 9 6.89 Gapital Acc 7, 6, 9 84 8 4 9 6.89 Capital Acc 7, 6, 9 8 8 9 7 23 Comm 8, Ind 7, 7, 7, 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	International 33 345 +0.2 196 World Wide Jan, 4 1955 100.7	Oustrant Gen. Feb	Abbey Life Assurance Co. Ltd. 1-3 St. Paur's Churchyard, ECo. Endty Foun 52-5 Ecothy Acr. 135-5 Ecothy Acr. 160-3 Property Acr. 180-1 Property Acr	Royal Exchange, E.C.3. 01-2837007 Property Dist. Property Dist. Property Dist. Property Dist. Property Accum. Dist. Property Accum. Maraged Initial 1115, 91-11 Washington Dist. Property Accum. 1115, 91-11 Washington Dist. Property Accum. 1115, 91-11 Wealth Ass. Dist. Dist. Accum. 1115, 91-11 Wealth Ass. Dist. Dist. Accum. 1115, 91-11 Wealth Ass. Dist.	185 2 1248 +0.1 - Vanbruch Pensions L	2642   631
Exempt 100.6 1154 8.62 Extra Income 35.2 37.8 112.00 Fire States 4.8 74.00 - 12.57 Financial Sect. 48.8 74.00 - 12.57 Gott 6.6 Green 12.60 12.60 12.70 - 13.48 4.80	Cabot Am, Sm	Opportunity Fund   662   708   707	Convertible Fund	De. Account	Managed [134]	inv. Svg. 19: 18:51.39 1/43
Inc. & Growth	5) British Trust 143,9 154,0 +1.4 6.12 (b) Capital Trust 49,7 74,6 -5 28, (c) Francial Trust 94,7 10,13 +0.5 28, (c) Francial Trust 94,7 10,13 +0.9 5.34 (b) Iriga Yelf 1st 24,4 26,11 40,2 11,0 (b) Iriga Yelf 1st 24,4 26,11 40,2 11,0 (c) Iriga Yelf 1st 24,4 26,1 (c) Iriga Yelf	Rothschild Asset Management (g) 72-90, Gatchuse Rd. Aylestury. 0296 5541 H. C. Equity Fund. 11595 1696 -1-4 5-9 H. C. Equity Fund. 11595 1472 +1-3 578 H. C. Lang, Wes. 13. 1317 1472 +1-3 578 H. C. Lang, Wes. 13. 1317 1472 +1-3 578	Pension Property 2269 Pension Selective (7 9 Pension Managed 2004 Pension Exactly 2591 Pension Equaty (1, 1199 Pension Equaty	Deposit Introl 99.2 104.5 -0.1 Personal Managed 4 Do, Accum 1100.1 106.5 III Personal Managed 4 Farelly A Managed 10. 8 Fact Int. 6 Do, 8 Fact, Int. 6 Do, 6 Fact Int. 6 Do, 6	Welfare Insurance Co Winstade Park, Exeter. Workpaster Fol.   6.9   For other tends, please   Manual State   Welfare I State	103.1   103.2   103.
The Debter 1 He Office ( till (a)	(6) Security Trest 93 51.7 +0.4 6.12 (b) Sec. Sits. Ts 22 24 4-0.1 453 (cm. Exempt Dec. 17 112 0 1310 553 (rarestusent totelligence Ltd. (a) (c) 15, Christopher Street, E.C.2 (otel, Amer. Tech, Fa. 47.5 50.0 1 200	American Jan. 3	31, Old Berlington St., W.L.  9E-metry Fd. Arr. 2002  9Fined full. Azr. 1575  9Soll MaccyFd. Azr. 1265  1322  9Prop. Fd. Azr. 2265  1322  9Prop. Fd. Azr. 2265  1322  1322  1323  1324  1325  1325  1326  1327  1327  1328  13	Property 2006 119 Crawford Street, W Managed Car. 2019 11 D. Equity Bond D. Equity Bond Description 2019 11 D. Equity Bon	7.11 2AS. 01-496 0957 Royal Albert Hos, Sheet 12.3 Investor Plan Units 181.9 Four-Asset Gride 181.9 Four-Asset Gride 181.9 Four-Asset Gride 181.9	Hill-Samuel & Co. (Governory) Ltd.   12.0   B LaFetore & St. St. Peter Port. Gornsey, Cd.   43.6   Governory Tat14.5.1   125.1   41.6   41.6
BL Divided 127 1211 Prices Jan. 2. Next dealing Jan. 9. Brown Shipley & Co. Ltd. 9 Hartandt Haw. Harwards Hith. Sz. 0444-56144	intel, Amer. Tech. Fd	High Yield Jan. 4	Equity Pres. Fc. Acc. 254.2 267.5 Equity Pres. Acc. 254.7 254.7 254.7 Equity Pres. Acc. 254.7 254.7 Equity Pres. Acc. 254.8 16.5 4 Equity Pres. Acc. 254.8 16.5 4 Equity Pres. Acc. 254.8 16.5 4 Equity Pres. Acc. 254.7 254.4 Equity Pres.	Pen, F Den, Arc. 1753 97 Property Fand (A) Pen, Prop. Cap. 261 975 Agricultural Fund. Pen, Prop. Arc. 2757 975 Agricultural Fund. Pen, Han, Arc. 2757 975 Agricultural Fund. Pen, Man, Arc. 2757 975 Agricultural Fund. Pen, Man, Arc. 2757 975 Agricultural Fund. Pen, Gall Edg. Arc. 1952 975 Pen, Man, Pen, Cap. Edg. Arc. 2752 975 Pen, Pen, Pen, Pen, Pen, Pen, Pen, Pen,	OFFSHO	Crossbow Fd. (Acc.)  SF3.74 3.87 -0.02
BS Units Jan. 8 200.8 308.2 -3.2 5.75 Do. (Accum.) Jan. 8 200.8 308.2 -3.2 5.75 De. (Accum.) Jan. 8 200.8 308.2 -3.2 5.75	Okey Excitor Fd	Copital Fund 67.9 73.0 5.29 Income Fund 63.5 68.3 5.23 Prices on Dec. 31. Neal design 2ar. 13. Saturn Fund Management Limited 66. Cannon Street, EC4N 6AE 01-2361425	AMEY Life Assurance Life,9 Alma Hse, Alma Rd, Relyste, Reigste 40101 AMEV Assurance 1136,9 AMEV Mod. 2 AMEV Fig. 172,9 AMEV Sauly Fig. 77,1 AMEV Sauly Fig. 77,2 AMEV Fig. 173, 77,5	Pen. En. Acc. 276.5 711 — Equity Find (A) — Pen. B.S. Crin. 140.0 (A) — Money Find (A) — Mo	OVERSE FUNDS	M.V. Interheimer  9.0 Eur Sön, Delit, Holland Eustrakts its. Pr. DFL   SLES   HoAd   — International Pacific lay. Munt. Life.
High Income 12.3 47.1 40.3 4.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	K.E. Unit Fd. Inc	SiMCO Call Fands [000] 1654 SiMCO 7-Day Funds 1000 17.01 Thornborised Cash Depost Fands Save & Prosper Groups 4. Great St. Helens, Landon EC3P 3EP 4. Great St. Helens, Landon EC3P 3EP 4. Bealings to: 01-054 8899 or 031-226 7351	AMEY Prop Fd. 116.1 1223   AMEY Prop Fd. 116.1 106.1 106.1   AMEY Promitted   173.2 106.2   Fleetung   173.2 106.2   AMEY Promitted   173.2 106.2   Fleetung   173.2	129, Kingsway, London, WC28 6NF GI-404 0393 dimmed. Anny	Ananties Ltd. P.O. Box 73, St. Heller, Jer Albany Fund Manager P.O. Box 73, St. Heller, Jer Albany 5 Fd. (c)1 1933 1542 Alexander Fund Alexander Fund	JE.T. Managers (Jerrey) Ltd.  JET 133.65 — 1.42  P.O. Sen 98, Channel House, Jerrey. C534.73673  Jersey Extra. 18. E1.53  As at Dec. 31.
Do. Gen. Access 99.7 52.3 +0.3 9.63 10.5 income Dist. 3.7 12.3 +0.1 9.63 10.5 inc. Access 23.7 46.0 +0.1 9.93	L & C Unit Trust Management Ltd.9 The Stock Exchange, EC2N INP. 01-588 2800 LAC lac. Fund 1373 141-3	International Funds   36.34   3.50	Int. Growth   91.8   96.7   -0.5   -    Barclays Life Assur. Co. Ltd.  Barclays Life Assur. Co. Ltd.  22-534 5544  Barclaybeach   120.5   120.8   -0.7      Gill-edged   197.9   113.4   -0.2      Property   197.9   134.4   -0.7      Property   197.9   14.7      Property   197.9   14.7      Property   197.9   14.7      Property   197.9   14.7      Property   197.9   197.9   197.9    Property   197.9   197.9   197.9    Property   197.9   197.9   197.9   197.9   197.9   197.9    Property   197.9   197	Con. Pers. Con. Ut.	37, rue Notre-Dame, Louis Alexander Fund U. Alexander Fund U. Ret asset vals 100.5 Allem Harvey & Ross Charles Constant Charles Cross, St. Halver, ARR Gitt Edg. Fd. 1511.5 ARR Gitt Edg. Fd. 1511.5	SIO 25
	18, Caryrage Road, Belson. 0272 3224. 06. Oet. 12, 165.8 69.8 - 6.82 (Accum, Units)	High Paturn SE6 63.0; +C.3; 10.72; Income S7.5 40.3; +C.1; 11.2; U.K. Frush UK Equity 45.5 43.9; +C.6; 5.4]	International 87 917 655 Managed 1153 151 605 9 Managed 1154 77 134 9 Managed 1154 77 134 9 Managed 1154 77 134 9 Git Edypers Accum 1164 7 134 9 Git Edypers Accum 1108 116 9 Do Intrast	Pes. Managed Cap. 148.6 30 Unbridge Road, W12 Pes. Greed. Cap. 117.2 31 Sei. Mkr. Fd. Cap. 197 Pes. Greed. Acr. 130.6 37.4 Sei. Mkr. Fd. Cap. 197 Pers. Equity Cap. 106.4 17.1 Persion Equity Pess. Equity Acr. 112.9 8.0 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pess Festin Cap. 100.3 8.3 Pession Fnd. Int. 197 Pession Fnd. Int.	GPG. GI-749 9111- Arbestimot Securities GPG. GI-749 9111- GPG. Bay 284, S. Heiter, Je Cap. Tst. Liersey. J. 125, GPG. Sect. Lier. J. 125, GPG.	1230 + 101 7.75  1230 + 101 7.75  1240 + 101 7.75  1250 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
., Milburn House, Newcastle-upon-Tyrie 21165	Leo Distribution 2011 3611 111 122 122 123 123 123 123 123 123 1	U.S.   74.8   80.4 +0.3   158   Sector Funds   107.6   115.0 +1.6   3.35   Energy   104.5   112.4 +1.4   1.4   1.5	Beetive Life Assur. Co. Ltd.9 71. Lembar St. CC. 8100 Horse Man. Fd. 100 Horse Man. Fd.	Pes, Froi, Inc. Acc. 106.6 Pess, Proj. Cap. 106.5 Pess, Proj. Acc. 112.9 Pess, Proj. Acc. 1	Bank of America Into	in in the in the interval of t
15, Moorgate, London, EC2. 01-638 4121. Income Dec. 31. 109.80	Worston Lawr. 22.3 91.50 40.3 1.35 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5	Place-Informatic Found Co.   18.5   16.5   1.4.57   16.5   16.5   1.4.57   16.5   16	Preserty Fd	Managed Field Portfolia Property Fit. Can be	Basque Branelles Lass strance Co. Ltd. 2, Rue De la Regence B 1 01-2476533 Restatement (RISSI)	2 sh. day. jim. 2.  Keyser Ultimose Ltd.  25, ARR Street, 6C2V.S.F.  1000 Brusset  86 62.89-62.81  127 Bootseler SF19.55 19.45  Courtal Assett 15.57.47 157-55-60.22
Income Dec. 18   129.62   3.04   Accum. Dec. 18   129.62   3.04   Accum. Dec. 18   129.62   3.04	Lioyd's Life Unit Tst. Magra. Ltd. 72-80, Gatchouge Rd. Aglesbury. C295 594 Equity Action	Scottis Securities Ltd.   Scottis Securities Ltd.   Scottis Securities Ltd.   3911 + 1.3 5.98	Canada Life Asserance Co. 24. High St. Potters Br., Hers. P. Bar 51122 Edwiry Git. Fd. Lee, 2802 Retint. Fed. Jan. 7   1100 Cananon Assurance Ltd. 1 Obmote Way, Westbey HA9 UNB. 01-902 8876	11. Finson's Spare, ELZ.  Buc Chip, Ser. Dec. 21.175.6  Buc Chip, Ser. Dec. 21.96.0  Buc Chip, Ser. Dec	1226	mational 1 Thomas Street, Descript 1 0.16 (0624) 4956 Jersey. 053475741. Gile Front (Jordey) 67.16 7.89 111.75 111.75 9 13.13 2.00 Gile Front Charlesy 17.18 111.75
American(2) 118 23 11 12 21 116 116 116 116 116 116 116 11	Wider Fil Nov. 30 71.05 14.05 Narrower Fil Nov. 30 71.05 Viscardori Ser. Sessibile only to Local Authorities M. & G. Groupy (y)(c)(c) Three Qurys, Tower Hill, EC3R 680, 01.426 458 See also Stock Exchange 44.458	Evernot High Vist 34.3 4.6 12.08 8 Evernot Mid. Latr. 20.6 12.11 5.67. Extra loc. 7s. 24.1 20.0 11.74	Empty Units	King & Sharson Ltd.  Scendill, EC3.  G0.623 S43 Rel, Prop. Bds	0892 22271 Do. Gry. Pacific. 1733 Do. Int. Income Airs. Etc. 1733 Do. Gry. Pacific. 1733 Do. Gry. Pacific. 1733 Do. Gry. Pacific. 1733 Do. Gry. Pacific. 1733 Do. Int. Income Airs. Etc. 1733 Do. Int. Income Airs. Etc. 1733 Do. Int. Income Airs. Etc. 1733 Do. Int. Income Airs. 1733 Do. Int. I	150   150
Commonitan Fund Managers (2) 3a Post Street, London SWIX 96.1 061-236 5685 Grooth 13.1 14.3 14.3 14.3 14.3 14.3 14.3 14.3	Arrierican Receivery 89 18 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inc. 10° World 2.4 1 10.79 Inc. 10° World 2.4 10	Mind Acoust 97 1856 4 4 405 2 20 Equity 92 120 5 1317 3 20 Manager 92 120 5 1317 1 125 7 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Langham Life Asser. Co. Ltd. Langham Hsc., Holestwook Dr., NWA. 01-203 5213 Harvest Pen. Fund. 1992 Langham 'A' Plan 1992 Langham' 'A' Plan 1992 Wep (SP) Man Fd 73.7	17.6 157.11 I Dishopsyste Commod	ty Ser. Ltd. On Accent 57 928 58
Craigmanumt Umit Tst. Nigrs. Ltd.  Craigmanumt Umit Tst. Nigrs. Ltd.  40 Bucklerstury, Lemina EcAN 880, 01-248 4984  High Income 26.2 39.5 +0.11 10.7  North American 26.2 21.4 +0.3 2.4  Classium Exempt 31.7 52.7 +0.3 2.4  Chandian Tust. 31.7 52.7 +0.2 2.6  Landian Tust. 44.0 46.3 10.40  Midd Mount High Net. 44.0 46.3 10.40  Midd Mount High Net. 44.0 46.3 10.40	(Accent Virit) 19.9 Conversion Growth 79.4 Co	Seedal Sit 19	2rd. American	Legal & General (Unit Assur.) Ltd.  Cassyrood Hoese, Kingswood Taboreth, Sorrey Sol. Inc.  Cast Instal  Land	ECIP 3EP 01-554 8899 Bishograpate Progressi 1987 +046 9, Bishograpate ECIN 3AD 1987 +051 BNAUT IN: Dec. 19, 1953 BNAUT IN: Dec. 19, 1953 BNAST Dec. 20, 1924 BNAST Dec. 20, 1924 BNAST Dec. 20, 1924 BNAST Dec. 20, 1924 BNAST Dec. 20, 1924	ve Lrin. Agents 01-508 6280 K.B. Specified Fd (1933) H (195) 1 1508 6280 Fd (195) H (1
Git Trust Unit Tst. Mingrs. Ltd. (a)(g)	Agrim, Units		Capital Life Assurance V Coniton House, Chapel Act When. 0992 28511 Key Invest Future Co. 25.77	Fined latities   12.2   15.1 + 0.4   15.2   15.2   15.3	GPO Bax 500, Hose Roy 1004 +0.2 Holes Dec. 31 USDI Report Fd. Dec. 31 USDI Bettamake Tst. Magnat	77.040 LB External Food PSSR71 9.34 LB 207
	(Accom. Units) 26,9 37,3 16,174 (iigh income 97, 1859 02 18 3 (Accom. Units) 79,7 1914 4.4 11,174 (Accom. Units) 125,4 134,2 4.4 11,174	Scottish Englisher to 031-556 9101	Charterhouse Magna Ept. 9 Stroberson Hse, Brunel Centre, Bletchiev, Milton Kernes. 0508.641272	Legal & General (Unit Persians) List.  Figure Cash fult.   1979.   14.71   Manageri   17.92   Manageri   17.		
Yields % (snown in this constant) when for the drying consists.      Yields % (snown in this constant) was in the snown in the sno	Accum. Units	Scottish Equitable Find. Migrs. Ltd. V 28 St. Andrews Sq. Edinbergh	Cirtice Energy 44.3 Cirtice Managed 57.4 Cirtice Managed 57.4 Cirtice Enginy 34.7 Cirtice Enginy 34.7 Cirtice Enginy 34.7 Cirtice Enginy 34.7 Managed Managed 57.4 Cirtice Enginy 34.7 Managed Managed 57.4 Cirtical Assumance Funds 11.4 Cirtical Assumance Funds 11.2333933 Managed Growth 122.50 129.571+1.94		Brown Shiptey Tax. C	125 Three Coupt, Tower Hill ECOR 680, 01-626 4508
	Account Units	School Capital Fd. 24. 36.0 +0.4 0.55 School Capital Fd. 27.4 22.0 +0.4 10.35 Security Selection Ltd. Regis Hap, King William S.: ECA (Admin Office) 00.422 4951 Umf Gd TS Acc 22.4 23.3 4.47 Umf Gd TS Inc. 22.4 24.9 4.47	Managed faronth 122, 90 129, 571+1.94 Managed income 179, 37 43, 55+2.33 Laternational (2) 27, 53 43, 55+2.33 Laternational (2) 27, 53 43, 54-2.33 Laternational (2) 27, 53 43, 54 4	Logal & Seneral Prop. Fd. Mgrs. Ltd.  11, Queen Victoria St., ECAh 4TP. 01-248 9678 F. in. Pen. Cap. 19 Life Prp. Fd. Dec. 3.1267 Z. 111.5	Sieding Cap. Fe Fill 3  Butterfield Management P.O. Rep 195 Management P.O. Re	ent Co. Ltd. 28-24, RR S., S. Heller, Lersey 0534 56251
todes.			Cash	LACOF Units	As Series 4 Jan. 1.  Butters Equity 1857. Butters Income USS. 2. Other prices on request.  Prices at Dic. 10. No	Continued on previous page



### FINANCIALTIMES

Tuesday January 8 1980



### **PolyGram** expected to buy Decca music division

By John Lloyd

AGREEMENT on the sale of Decca's music division to PolyGram, the record company jointly owned by Philips of Holland and Siemens of West Germany, is expected this week. It is helieved that PolyGram will Insist that more than 1,000 of the division's 1.200 staff be made redundant

No price has been put on Decta's music interest, though it is expected to be between £10m and £12m.

#### Other labels

PolyGram is likely to retain the Decca name, and continue to market it beside other labels within the group such as Polydor. Dentsche Gramo-phone Gesellschaft, Philips and Mercury.

However. PolyGram is nullkely to require Decca's pressing capacity, so the divim's employees at its New Molden factory would be laid

Decea made a pre-tax loss last year of £384,000. comwith a profit of more than £12m in the previous year. The music division's year. The music division losses last year were £1.8m.

The company has a strong classical repertoire, but has lost the strength it had in popular music. All record companies have suffered from a depressed market in recent

#### Speculation

There has been some speculation that the sale of the record division will open the way for a takeover hid for the remainder of Decca, which is made np largely of naviga-tional, radar and television

Both the General Electric Company (GEC) and Racal have been lipped as possible bidders for Decca. Racal made no comment last night on reports that an informal agreemeni has been made between the chairman of the two com-panles, Sir Edward Lewis of Decca and Mr. Ernest Harri-

MOSTLY dry, sunny intervals; wintry showers in E, colder. London, S.E. and E. England, E. Anglia Cloudy, wintry showers, cold.

Max. 4C (39F). Cent. S and Cent. N. England, Midlands Cloudy, bright intervals. Max.

Channel Isle, S.W. England Rain, becoming mostly dry crossing to South Africa, was group of between 40 and 500 were a countrywide phenowith bright intervals. Max. 7C a breach of British undertakings came face to face with the menom is misleading?"

Wales, N.W. England, Lakes I. of Man. S.W. Scotland, Glasgow, N. Ireland Dry, freezing fog, sunny inter-vals later. Max. 5C-6C (41F-43F). N.E. England, Borders, Edin-burgh, Dundee. Aberdeen, Cent. Highlands

Cloudy, wintry showers, bright ntervals. Cold. Max. 3C-4C intervals. Moray, N.E. Scotland, Orkney, Shetland

Wintry showers, sunny intarvals. Max. 2C (36F). Argyll, N.W. Scotland Sunny intervals. Max. 5C-6C

Outlook: Cold, wintry showers

### WORLDWIDE

	· v·	day,	_	· ·	day
		ida~			Day
	mic	ida a i		MIG	day
	°C	*F		•C	٩Ė
Alaccio I	C 12	54 London	C	7	45
Algiera	Š 17	63 Luxmbg	. Ř	1	34
	C 4	39 Luxor	S	18	64
		35 LUXUI			
	S 13	55 Madrid	F	3	37
Bahrein (	C 19	66 Majorca	S	14	57
Aarcina.	5 9	48 Malaga	S	15	59
	S 16	61 Malta	ě	15	59
		O I INIAILA	9		
	C 1	34 M'chatr	. S	6	43
aarlin S		28 Melbne.	S	22	72
Aiarritz :	S 11	52 Mex. C.	S	21	70
	5	41 Milan	Fg	-z	28
		TA   INTITALL	гğ		
	F 5	43 Matreal			30
Agrdx. (	12	54 Moscov	, 5	-a	1 <b>a</b>
Boulen, C	: B	43 Munich	Si	2	36
	5 5		s	24	75
Arussels (	6	41 Naplee	S	S	46
Budost, S	n –5	2? Nwcsti.	C	5	41
	3 29	84 N. York	Ç	3	37
		C4 N VIN	×		
	5 18	64 Nice	Š	11	52
Cardiff S	5 5	41 Nicosia	Ħ	15	59
Cas'b'ce	3 16	61 Operto	F	13	55
	23	73 Oslo	Sn	-3	27
	f - 9	15 Peris	C	6	43
Cologne F	7	46 Parth	F	23	73
Conhan, S	in — 1	30 Prague	Fg	-2	28
		CO Tourist	٠,٣,		
Corfu F		50 Raykjvk			36
Dublin 1	- 4	39 Rhodes	R	12	54
Dbrynk, (		43 Rio J'o	S	25	77
Edabsh, C		43 Rome	š	10	
		431 HOUSE			50
Faro C		57 Salzbrg.			34
Florence i	- 5	41 Singapr.	. Я	26	79
Frankit. C		39 Stckhm.		-1	30
Ennaged 6	14				
Funchal A		57 Strasbg.		5	41
Geneva (	5	41 Sydnay	R	20	68
ibelte. S	15	59 Tengier	\$	16	61
		ACT TO LOT	3		
		43 Tal Aviv	S	15	59
G'macy S	a	46 Tenerille	F	13	55
Innsbik. S	n O	37 Takya	S	11	52
H. Kong S		63 Toronto	~		**
		as i bronno	C	0	32
Juniusa. C	5	41 Tunis	C	14	57
Lo Man F	7	45 Valencia	S	11	52
		48 Vanies	š		
	20	48 Vanice		4	39
		OR! AIGUDS		-4	25
L. Pims. S Lisbon S	18	64 Warsaw	C.	-5	23
Liabon 5	10	50 Zurich	ŠĬ	ī	34
Locarno F	3	37	31		34
Porallio L	_ಿ.	3/1			

C-Cloudy, F-Fair, Fg-Fog, R-Rain,

### Pressure on margins as input prices leap

WHOLESALE PRICES

(1975 = 100)

and fuel

purchased

163,3

172.5 178.1

Provisional Source: Department of Industry

ably he aufficient to help push

The monthly pattern of whole-

the 12-month rate above 20 per cent by the early summer.

sale prices has been distorted

by revisions to the data. These

have resulted principally in an

upward revision of over 3 per

cent in the raw materials cost

previous month. The rise in

Front commanders offer

to shoot unruly guerrillas

PATRIOTIC FRONT guerrilla during the Lancaster House Rhodesian police early yester-commanders yesterday offered conference. House Rhodesian police early yester-day, when they arrived at a

that their men were not

respecting the ceasefire, and

were responsible for numerous

violations. The Front has shown

country had still not reported...

then let it be clear to you that

you have placed yourself outside

our control and therefore be

prepared to face the conse-

allow South African troops to still facing the successful up the police but said: "To remain inside Rhodesia, guard- of the assembly of the guerrillas, present the incidents of difficuling the Beit Bridge border a British representative said a ties with anxillaries as if they

snows bave slowed down fight. Villagers bave blocked at least. Soviet troops from Afghanistaning in the strategic north one main road with a landslide, but I without mentioning the

yesterday that their forces,

vince, east of the capital of Kahnl. They said 30 enemies, including Soviet soldiers, had

been killed in the attack.

quences of your actions."

Troops in Afghanistan

eastern Afghan province of while snow is making a number of mountain roads impassable.

Badakhshan, but in at least of mountain roads impassable.

Rebels claimed in Pakistan their forces.

strong resistance.

Much of Badakhshan, a thin assisted hy deserter from the Afghan army, had gained control strip of land bordared by the of two towns in Laghman pro-

Hazara tribesmen for several Security Conneil yesterday question months—reportedly remains cut aimed at the immediate and Assembl off from the rest of the country. unconditional withdrawal of session.

If von refuse our orders.

Mr. Dumiso Dabengwa, Chief Front's military commanders Zanla, intervened.

BY PETER RIDDELL, ECONOMICS CORRESPONDENT

THE COST of industry's raw materials is rising much faster than the wholesale output prices for manufactured products. With other costs such as

labour and interest charges also 1979 1st up sharply this suggests an intensification of the squeeze on industry's profit margins over the last few months.

Department of figures published

yesterday show raw material costs rose 12.1 per cent in the second half of last year compared with 7.1 per cent increase in ontput prices. The gap has widened in 17.4 per cent. But increases in recent months because the rate the mortgage rate and various of increase of output prices has public sector charges will probslackened since last summer. The three-month rate of change has slipped from 5.1 to 2.7 per cent since August.

This trend probably reflects the competitive pressures which are limiting the extent to which cost increases can be passed on to the consumer.

faster rate of price increase in crude oil price increases the coming months. There is announced in December. also a seasonal pattern since many manufacturing companies adjust their list prices in

These figures suggest there will not be a runaway accelera- December would have been curition in the 12-month rate of much larger but for a 3 per cent according to the average rise.

BY QUENTIN PEEL IN SALISBURY

of Security and Intelligence for

tary wing of the Front forces, sald they were now legal forces under the authority of the Governor, and as such could be

called on to protect the cease-fire. "It it means a shoot-ont with our own unruly elements, then we certainly will." be said.

Earlier, Mr. Joseph Msika,

secretary-general of Mr. Nkomo's

Zapu party, and the most senior

Rhodesia, said the British

Governor's decision to deploy the Rhodesian security forces

was a hreach of the cease-fire. The Governor's agreement to

Continued from Page 1

troops are continuing to meet

Soviet Union, China and Pakis-

tan, remains in the hands of

rebels. Soviet paratroopers have

been dropped there, according

The central province of Bamiyan — a stronghold of Hazara tribesmen for several

to ∩bservers in Kabul.

politician now in

commanders, yesterday offered conference.
to shoot any of their own "unA senior British official acid
ruly elements" who disregarded any forces which sceepted the

the Rhodesian cease-fire, if authority of the governor could ordered io do so by Lord be called on to maintain the Soames, the British Governor. ceasefire. "The use of the

The offer followed a strong Patriotic Front forces is not

attack by a senior Front spokesman on the Governor's decision
to deploy Rhodesian security
forces to combat lawlessness.
Mr. Dumiso Debores.

value of sterling against the dollar, which offset some of the higher oil prices.

This index rose by 25.9 per cent in the 12 months to December compared with a 15.6 per cent increase in the output prices index over tha some period. The output price index rose 0.8 per cent to 183.0 (1975=100) in December. This was less than most analysts expected.

There was a similar rise in the price index for manufactured products other than food, drink and tohacco with rises spread across most sectors.

The cost of msterials and fuel bought by non-food manufactur-ing companies rose about 0.5 per cent last month. This index rose 37 per cent in the 12 months to December. Tha increase would have been 45 per cent if sterling had been unchanged during the year rather

than higher. There was virtually no change lest month in the cost of The huild-up of cost increases, index for November, to take said nosaq not assured notably oil, could lead to a account of the backdating of the materials purchased by food manufacturing companies.

announced in December.

The materiala and fuel cost imported cereals and index rose 0.3 per cent to 186.7 Prices charged by these companies increased 1.4 per cent. flour confectionery and bacon curing, meat and fish products accounted for two-thirds of the

rendezvous point, but refused

The Governor has announced

that any guerrilla reporting after last Friday's deadline must

surrender his arms. The men

from Mr. Robert Mugabe's Zanla wing of the Front forces,

refused to disarm until Mr. Rex

Nhongo, deputy commander of

are excellent. Working relations

with Zanla have been somewhat

said that in a meeting with Sir

use of auxiliaries — scantily trained paramilitary forces

trained paramilitary forces initially recruited by the out-

ties with auxiliaries as if they

but lwthout mentioning the

The draft, submitted by Bangladesh, Jamaica, Niger, the Philippines and Zambia, referred to "all foreign troops,"

but the sponsors left no doubt

that they meant Soviet soldiers.

certain to be vetoed by the Soviet delegation, Mr. Oleg

As the resolution appeared

Russians by name.

strained during the day."

had reinctantly called a press The representative said: conference to answer charges "Working relations with Zipra

guerrillas had reported to governor, yesterday the com-assembly places, but a further manders of both Front wings

2,000 to 3,000 guerrillas in the expressed their disquiet over

dences of your actions."

Abel Muzorewa. He admitted they were being used to back the facing the successful up the police but said: "To

some issues.

good faith, because 19,400 Antony Duff, the

### Mrs Gandhi heads for her biggest victory

By David Housego in New Delhi MRS. INDIRA GANDHI, swept from power only three years ago. appeared last night to be beading for the largest electoral victory in her political career and

parliament. It seemed doubtful whether any of the other political parties would be able to muster singlehandedly the 54 seats needed in the parliament to constitute ar

With 265 results declared in a parliament of 542 seats, her party had won 205, Mr. Jagilvan Ram's Janata party 12 and the

Mrs. Gandhi's personal triumph was by her massive 200,000 majority in the Medak Gandhi is also contesting from most closely associated with implementing the 1975-77 emergency also seem likely to be re-

She also performed strongly in the traditional regionalist state of Tamil Nadu. The only state firmly holding out against her was West Bengal, where the Marxists have established a strong lead.

The size of her victory in the key Hindi-speaking states of Bihar and Uttar Pradesh was still unclear, the changeover was interpreted yesterday as India's strongly-rooted democracy paradoxically voting for a return to strong government and possibly authoritarian rule But the scale of Mrs. Gandhi's defeat in 1977 was also being recalled as a warning that the electorate would not tolerate a

under the emergency. Mrs. Gandhi said yesterday that her two priorities were restoring law and order and controlling inflation as part of improving the economic situation.

Background, Page 3
Editorial Comment, Page 18

### Continued from Page 1

### Bowring

Lloyd'a. This stipulates that insurance interests outside the Lloyd's market could not norcent of a Lloyd's broker. The suddenness of the Marsh move yeslerday has thrown Lloyd's into confusion about its 20 per cent ruling. Lloyd's is reluctant to antagonise Marsh sinca the U.S. concern provides up to a balf of Lloyd's total U.S. business through insurance and

Before it proceeds with its offer Marsh will need further

The U.S. group has given Bowring seven days to respond to the proposal. Marsh has told the Bowring Board that

"should you not respond favourably, we reserve the right to proceed or not proceed with such an offer, or another offer. in the discretion of our Board of directors."

a position of unchallengeable personal supremacy in the new

official opposition to Mrs. Gandhi's Congress party.

Lok Dal, led by Mr. Charan Singh, tha incumbent Prime Minister.

constituency in the southern state of Andhra Pradesh. Mrs. her traditional base, Rae Bareli in the north, where she had also established a strong lead. Her son Sanjay and other associates

turned with strong majorities.

The unexpected scale of Mrs. Gandhi's victory has eroded the traditional differences between the Northern Hindi-speaking belt and ... Thedravidian states sonth of the Vindhya mountains, as well as regional differences. Mrs. Gandhi won landslide victories in the Punjab, in North Gujerat in the west, Orissa in the east and Karnataka in the

repetition of the high-handed misuse of power that occurred

### versial 20 per cent ruling of

mally hold more than 20 per

reinsurance. Marsh also provides Bowring with between one fifth and a quarter of its total broking revenues. Last night Lloyd's said there was no need for it to act yet.

approval from its Board and clearance by tha U.S. authori-

### THE LEX COLUMN The ball lands in

## Bowring's court

Bowring must be rueing the day that it proposed to Marsh and McLennan of the U.S. that the two groups should pool their insurance broking interests. Rothschild Investment Trust
Having announced just hefore took over Dawnay Day, KleinChrist as that it was consider- wort Benson's stake in M and G Christ as that it was considering an outright offer, Marsh now says that it will bid the equivalent of about 169p per share provided Bowring does not "seek to frustrate the With Britannia Arrow, a would-deal. The UK company has be buyer of Dawnay Day, nib-been attempting to usa the hling at West of England's courts to ward off Marsh's shares during the autumn, it

grounds. Three weeks ago its assurance subsidiary, will have shares stood at 110p, and its helped West of England in nego-earnings for 1979 could be tating a price for its life around 13p per share fully interests, which are in healthy diluted and taxed. Up to half acturial surplus. So the 90p the proposed bid would be price for West of England financed with cash and the rest with equity—the first major takeover in which a foreign hidder has taken advantage of the removal of UK exchange controls. Marsh itself stands on The question now is what the a 1979 p/e of around 111, and deal implies for the manage-if the deal goes through over a ment style of Giobe. Presumably fifth of its equity could end up it marks an attempt to break in UK hands.

The big question is how the

Committee of Lloyd's would react to an opposed bid for Bowring. If Lloyd's bends the rules which effectively block foreign ownership of more than a fifth of one of its member brokers, it could open the door to a string of other foreign bids for UK brokers. If it does not, it risks causing major offence in the U.S., its biggest market

It is in everyone's interest to find an amicable way out of this impasse. Meanwhile the market is taking a suitably cantions view with Bowring's shares standing at 142p.

### Globe/W. of England

Globe Investment Trust's absorption of the Tyndall fund management group, via a take-over of West of England Trust, marks the third change of control of a major unit trust group within the past few weeks. Index rose 6.0 to 419.9

ccild rise to 51 per cent, if it takes up all its options, and now Globe is offering £18m in Convertible for West of England.

unwelcome attentions.

It would be difficult for ded it should move quickly.

Bowring to reject these terms
out of hand on financial centring on its Target life appears to be around twice net asset value of 47p which implies slight dilution for Globe—a disadvantage it is trying to cushion through the use of Convertible. away from a aomewbat stodgy image as the giant of the investment trust sector. -

#### Index-linking

We are all grannles now in the bond market, or shall be if Mr. David Wilkie of Standard Life bas his way. Yesterday, having expounded his arguments in favour of the indexlinking of Government debt to a seminar organised by brokers Laurie, Milbank, Mr. Wilkie invited the fund managers in his audience to indicate what sort of real interest rate, over and shove the indexation of capital, would induce them to buy a 20-year bond. The consensus view was around 31 per cent for a gross fund, falling to 1 per cent for a private high taxpayer.

complacent about the returns 5 per cent.

that may be achieved in the fixed-interest market this year, ... or perhaps it was all a bluff for the benefit of the representative of the Bank of England who was present. It seems more likely that a long-dated 2 per cent stock with interest and capital payments tied to retail prices would sell out in seconds.

Mr. Wilkie fears that a single, experimental issue would be surtax, payers; provided always that the monetary capital gains resulting from index-linking were to remain tax free, He would like to see a wholesale move to index-linking through the offer of conversion terms every single gilt-edge:

Mr. Wilkie's proposals were openly opposed by a representative of the building societies. which might find it very bard . work competing for deposits against indexed securities. There was also deep general suspicion that the authorities could not be trusted not to rig the RPI.

In theory, the issue of indexed gifts should not necessarily lead to demands for indexation of, say, wages; no trade union or employer would accept the sort of long-term contract, not open to re-negotiation, that a bond represents. But there is a threat of growing pressure on the nonindexed parts of the economy if real GDP falls and the indexed sectors take an ever larger real share.

#### Wholesale prices

Don't be deceived by the fact that manufacturers' input prices rose by only 0.3 per cent in December. In fact yesterday's wbolesale price indices imply that the squeeze on company profitability is even sharper. igh taxpayer. than has been thought. The This sounds really rather March and November revisions. greedy in the light of recent mean that input prices over the market performance. Perliaps past year have outstripped out-the fund chanagers bave become put prices by 10 rather than put prices by 10 rather than

# cost-effective

Running a staff canteen that is both excellent and cost-effective demands considerable care and attention. As the United Kingdom's leading

catering management and consultancy organisation, the caring hand of Gardner Merchant serves a staggering . 200 million meals a year Our clients demand real value for

money—and that's what we offer! Nowwe'd like to offer you the opportunity to take advantage of our

unitivalled experience. A free advisory report on your company's existing catering arrangements. We will examine the cost-effectiveness

and budget estimate for your consideration. The report is absolutely free and it could turn out to be highly profitable

of your staff canteen, and present a report

Complete the coupon now!

No stamp is required.

To: GARRY HAWKES, MANAGING DIR GARDNER MERCHANT, FREEPOST, REIGATE, RH27ZA	ECTOR, FREE Catering Advisory Raport
Please contact me to arrange a free Catering Advisor Please send me your free 12-page colour booklet.	
Name	
Position Company	
Address	No. of employees
	Tol FI8
CADA	NED



Offices in: Avonmouth, Belfast, Birriengham, Croydon, Dublin, Gateshead, Glasgow Hitchin, London, Manchester, Newbury (Berks), Newport (Gwent), Nottingham, Phymouth, Reigate, Shaffield, Swindon. Also in Belgium, Gezmany, Holland and the Middle East. Head Office Telephone Number - Reigate (07372) 21521.

Registered at the Post Office, Printed by St. Clement's Press for and published by the Financial Times Ltd., Bracken House, Capnon Street, London, EC4P 43Y.

### New technology 'must be introduced faster' BY CHRISTOPHER LORENZ, MANAGEMENT EDITOR

been killed in the attack.

Our UN correspondent adds:
Six states of the third world presented a resolution in the Security Connecil yesterday aimed at the immediate and unconditional withdrawal of session.

Soviet delegation, Mr. Oleg Troyanovsky, Bangladesh and the Philipplnes prepared a second resolution against this probability — to transfer that question to the General Assembly st a special emergancy session.

nation in the face of intensifying world competition, a Cahinet Office report on technological change warms today.

UK's markets by the larga im- that the National Economic provements in productivity Development Council should which its competitors could develop technological strategies achieve with new technology, for different sectors of industry, and by the growing challenge in and that Government-supported traditional products from low- Research and Development prowage developing countries, says grammes should then be linked the report of the Covernment's Advisory Conneil for Applied Research and Developmeni-

Emphasising that the adop- rapid development of new tion of new technologies, industries hased on emargent .ACARD's recommendations including microprocessors, can technologies, "In particular luclude greater public sector create jobs as well as destroy information technology and responsibility for training in them, it says Britain must biotechnology," as well as industry, the undertaking of identify those industries which industries with a high growth more research and development

BRITAIN must speed up the have most chance of success, potential because of the in the service sector; Governintroduction of new technology and rapidly foster them by

It does not use the phrase pleking likely winners," but develop technological strategies with thesa atrategies.

It also urges the Department London

increasing need to conserve energy and materials. Among lts more specific proposals, ACARD advocates

the greater use by industry of hange warms today.

It clearly supports such a policy.

Severe threats are posed to the In particular, it recommends of licences and patents, and that the National Economic recommends the Department of Industry to examine the case for establishing a new agency to promote this, or getting an existing one to take on the task. The report was prepared by a working group under Sir Jamea

Menter, FRS, Principal of London University's Queen of Industry 10 study bow the Mary College, and previously Government can best foster tha research and development dirrapid development of new ector of Tuhe Investments industries hased on emargent ACARD's recommendations

ment measures to help smsli firms spend more, research and fiscal incentives for large firms to seek out or set up small ones to exploit some of their unwanted research and development results. Mora generally, ACARD asks

the Government to examine bow industrial enterprises can be encouraged to strengthen their research activities, and to consider how small firms might benefit more from government and other consultancy services in technology. \* Technological Change: Threats

and Opportunities for the United Kizodom. Cabinet Office Advisory Council for Applied Research ond Development, December 1979, HMSO £1.75. Technology: Britain's need for winners, Page 19